

Brigham Young University

ANNUAL CATALOGUE
1946-47



Brigham Young University Quarterly

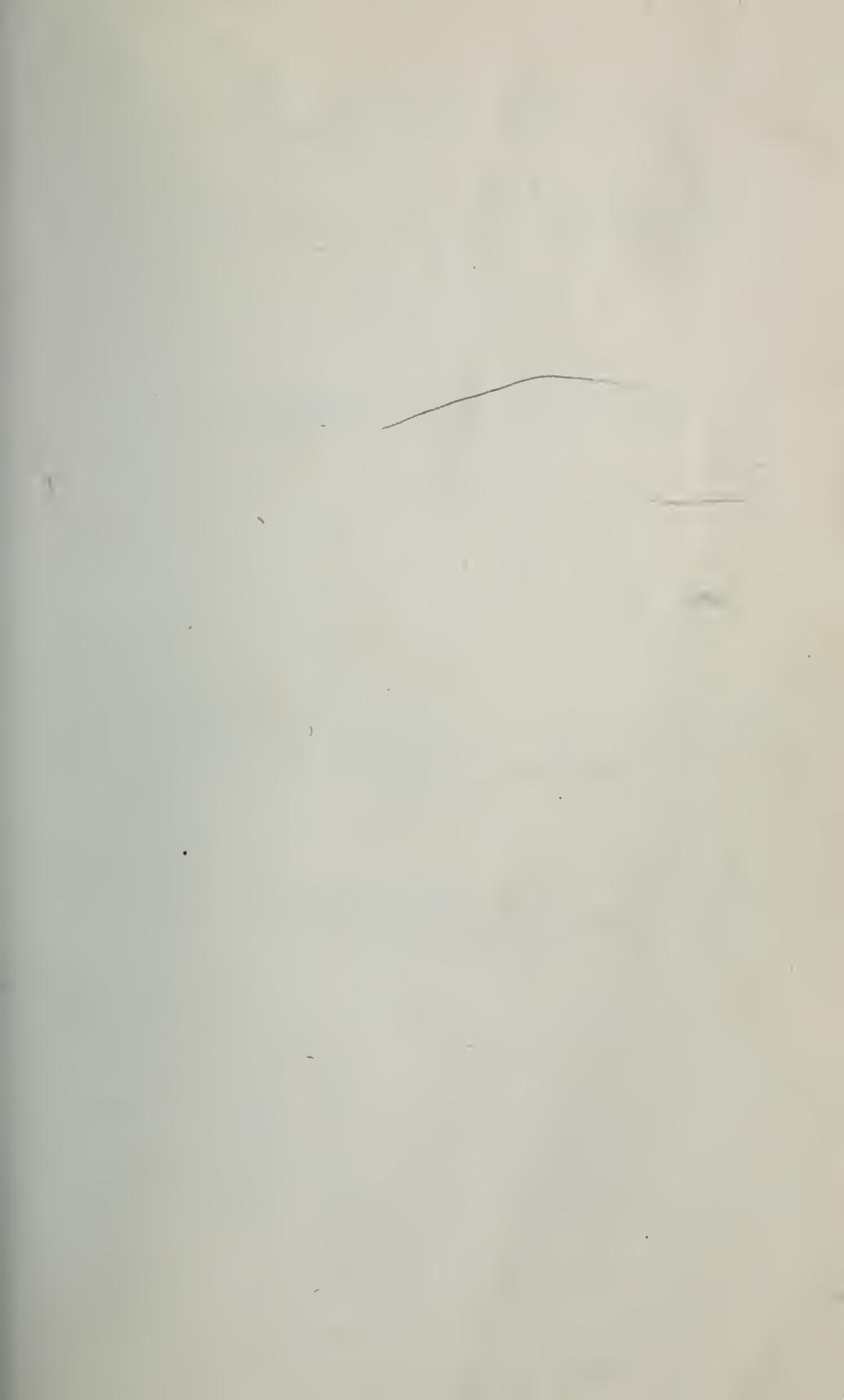
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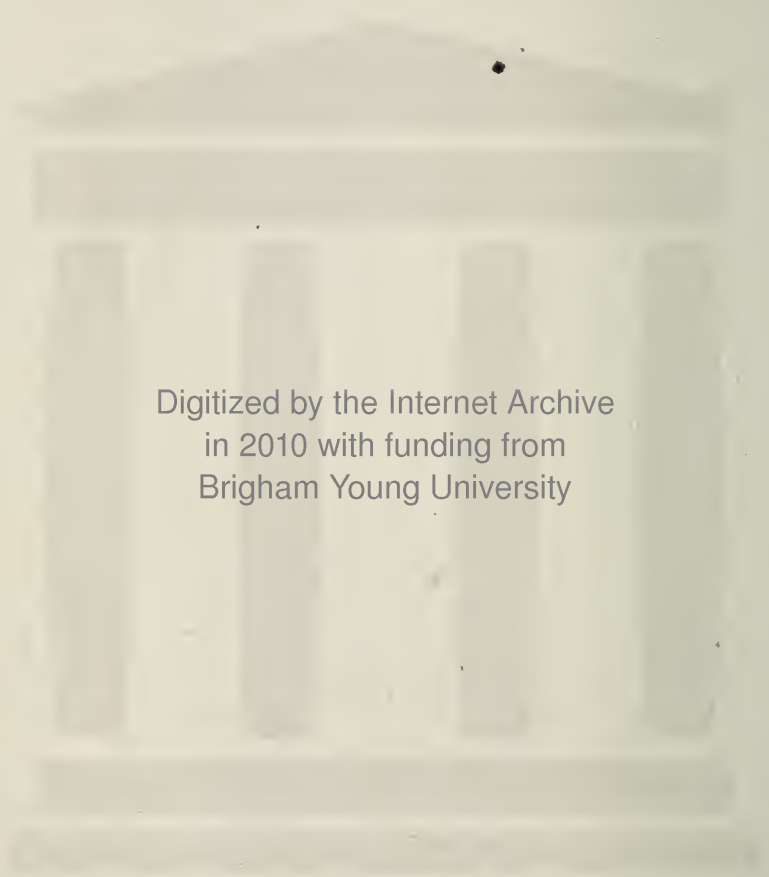
Provo, Utah

May 1, 1946

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1946-47

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Published by
Brigham Young University
Provo, Utah

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1946

AUTUMN QUARTER

September 23—First Faculty Meeting.

September 25—9:00 a. m. Placement tests and beginning of three-day orientation period for all freshmen and sophomores who are registering for the first time. Assembly Hall of Joseph Smith building. (Students not appearing promptly at 9:00 a. m. to participate in the full program September 25, 26, 27 will pay a make-up fee of \$3.00.)

September 28—Registration for freshmen and sophomore students who are entering the University for the first time.

September 30—Registration for all students who have previously attended Brigham Young University or who are transferring from junior colleges.

October 1—Instruction begins.

October 16—Founder's Day Celebration.

November 28—Thanksgiving Recess (Wednesday evening to Monday morning.)

December 20—Autumn Quarter Closes.

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WINTER QUARTER

January 6—Registration for Winter Quarter.

March 21—Winter Quarter Closes.

SPRING QUARTER

March 24—Spring Quarter Begins.

May 22—Brigham Young University High School Graduation Exercises.

June 1—Baccaulaureate Services.

June 3—Alumni Reunion and Banquet.

June 4—71st Annual Commencement.

June 9—Summer Quarter Begins.

Organization of Brigham Young University

Brigham Young University as now organized comprises:

A College of Applied Science	A Graduate School
A College of Arts and Sciences	A Division of Religion
A College of Commerce	A Summer School
A College of Education	An Extension Division
A College of Fine Arts	A Research Division

Elementary and Secondary Training Schools are maintained in connection with the College of Education.

DEPARTMENTS OF INSTRUCTION

Accounting and Business Administration	Horticulture and Landscape Architecture
Agricultural Economics	Journalism
Agronomy	Library Science
Animal Husbandry	Marketing
Art	Mathematics
Bacteriology	Mechanic Arts
Bible and Modern Scripture	Modern and Classical Languages
Botany	Music
Chemistry	Philosophy of Education and Guidance
Church History	Physical Education
Church Organization and Administration	Physics
Economics	Political Science
Educational Administration	Psychology
Elementary Education	Secondary Education
English	Secretarial Practice
Finance and Banking	Sociology
Geology and Geography	Speech
History	Theology and Religious Philosophy
Home Economics	Zoology and Entomology

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School Officials

THE GENERAL BOARD OF EDUCATION OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

(In charge of L. D. S. Junior and Senior Seminaries, Institutes, Juarez Schools, Ricks College, L. D. S. Business College, and Brigham Young University).

BOARD MEMBERS

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STEPHEN L. RICHARDS	CHARLES A. CALLIS
JOHN A. WIDTSOE	FRANKLIN L. WEST
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FRANK EVANS, Secretary-Treasurer	

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Executive Officer of the General Board
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THE BRIGHAM YOUNG UNIVERSITY

The General Board also serves as the Board of Trustees, with Kiefer B. Sauls as Secretary and Treasurer

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STEPHEN L. RICHARDS	CHARLES A. CALLIS
JOHN A. WIDTSOE	ALBERT E. BOWEN
HOWARD S. McDONALD	

PRESIDENT OF THE BRIGHAM YOUNG UNIVERSITY
HOWARD S. McDONALD

Faculty Administrative Officers

President	Howard S. McDonald
Secretary to the President.....	Anna Stucki
Secretary-Treasurer.....	Keifer B. Sauls
Associate in Treasurer's Office.....	Carma Ballif
Registrar.....	John E. Hayes
Assistant in Registrar's Office.....	Lucile Spencer
Dean of Students.....	Wesley P. Lloyd
Summer School:	Asael C. Lambert, Dean
Extension Division:	Thomas L. Broadbent, Acting Director
Applied Science, College of:	Thomas L. Martin, Dean
Arts and Sciences, College of:	Carl F. Eyring, Dean
Commerce, College of:	Herald R. Clark, Dean
Education, College of:	Reuben D. Law, Dean
Fine Arts, College of:	Gerrit de Jong, Jr., Dean
Graduate School:	Christen Jensen, Dean
Religion, Division of:	J. Wyley Sessions,
	Director of Religious Activities
Accounting and Business Administration:	
.....	Harrison Val Hoyt, Chairman
Agricultural Economics:	Harrison Val Hoyt, Chairman
Agronomy:	Thomas L. Martin, Chairman
Animal Husbandry:	H. Grant Ivins, Chairman
Art:	Bent F. Larsen, Chairman
Bacteriology:	Thomas L. Martin, Chairman
Bible and Modern Scripture:	Sidney B. Sperry, Chairman
Botany:	Bertrand F. Harrison, Chairman
Chemistry:	Joseph K. Nicholes, Chairman
Church History:	Russel B. Swensen, Chairman
Church Organization and Administration:	
.....	Wesley P. Lloyd, Chairman
Economics:	Elmer Miller, Chairman
Educational Administration:	Asael C. Lambert, Chairman
Elementary Education:	Reuben D. Law, Chairman
Elementary Training School:	Hermese Peterson, Principal
English:	Parley A. Christensen, Chairman
Finance and Banking:	Herald R. Clark, Chairman
Geology and Geography:	George H. Hansen, Chairman
History:	Christen Jensen, Chairman
Home Economics:	Effie Warnick, Chairman
Horticulture and Landscape Architecture:	
.....	Melbourne D. Wallace, Chairman
Journalism:	Oliver R. Smith, Acting Chairman
Librarian:	Anna Ollorton
Marketing:	Harrison Val Hoyt, Chairman

FACULTY ADMINISTRATIVE OFFICERS

Mathematics:	Carl F. Eyring, Chairman
Mechanic Arts:	William H. Snell, Chairman
Medical Director:	Lloyd L. Cullimore
Modern and Classical Languages:	
.....	Benjamin F. Cummings, Chairman
Music:	Leroy J. Robertson, Chairman
Nurse:	Eunice Brough Tolboe
Philosophy of Education and Guidance:	
.....	Wesley P. Lloyd, Chairman
Physical Education:	Charles J. Hart, Chairman
Physics:	Carl F. Eyring, Chairman
Political Science:	Christen Jensen, Chairman
Psychology:	M. Wilford Poulson, Chairman
Research Division:	Christen Jensen, Acting Director
Secondary Education:	Golden L. Woolf, Chairman
Secondary Training School:	A John Clarke, Principal
Secretarial Practice:	Clarence S. Boyle, Chairman
Sociology:	Harold T. Christensen, Chairman
Speech:	T. Earl Pardoe, Chairman
Theology and Religious Philosophy:	
.....	J. Wyley Sessions, Chairman
Women, Counselor to:	Lillian C. Booth
Zoology and Entomology:	Vasco M. Tanner, Chairman

DEANS' COUNCIL

The Deans' Council consists of the President, all deans, and the directors of the divisions.

UNIVERSITY COUNCIL

The University Council consists of the President and all members of the faculty with the rank of professor, associate professor, or assistant professor.

THE COUNCIL OF THE GRADUATE SCHOOL

This Council consists of the President of the University and the Dean of the Graduate School who are ex-officio members, and nine other faculty members who are appointed by the President.

STANDING COMMITTEES

(The President is ex-officio member of all standing committees)

Aiding Graduates to Obtain Employment: E. M. Jenson, H. V. Hoyt, the Deans.

Alumni Directory: F. R. Haymore, L. Spencer.

FACULTY ADMINISTRATIVE OFFICERS

Campus: T. L. Martin, B. F. Harrison, B. F. Larsen, K. Miller, W. H. Snell.

Catalogue and Other Quarterlies: K. E. Young, J. E. Hayes, K. B. Sauls, N. I. Butt, J. R. Clark, H. W. Lee.

Eligibility: M. Marshall, J. H. Wing, J. E. Hayes.

Graduation: E. M. Croft, J. Sudweeks, G. L. Woolf.

History of the University: N. I. Butt, E. C. Carroll.

Lectures and Musicals: H. R. Clark, J. C. Swensen.

Library: M. W. Poulson, S. B. Sperry, A. S. Ballif, R. A. Britsch.

Radio: T. E. Pardoe, N. O. Geertsen, L. W. Booth, J. R. Clark III, R. L. Ungermann.

Schedule of Events: A. Stucki, G. deJong, Jr., J. W. Sessions.

Schedule of Classes: R. B. Swensen, N. I. Butt, O. B. Tanner.

Special Services:

Dean of Students, A. S. Ballif, L. C. Booth, C. S. Boyle, T. L. Broadbent, J. R. Clark III, L. L. Cullimore, B. F. Cummings, G. H. Hansen, J. E. Hayes, D. A. Peterson, A. K. Romney, K. B. Sauls, J. W. Sessions.

Assisting in the work of the Special Services of the University are the following committees of which the Dean of Students is ex-officio member:

Athletics: A. S. Ballif, P. A. Christensen, C. J. Hart, K. B. Sauls, E. R. Kimball, J. W. Knight, F. R. Haymore, C. L. Jensen, Student Body President.

Counseling Service: A. K. Romney, M. K. Allen, H. G. Clark.

Women's Affairs: Lillian C. Booth, Elsie C. Carroll, Orea B. Tanner, Eunice Brough Tolboe, Leona Holbrook, Elizabeth Hill.

The Faculty

Emeritus List

William H. Boyle.....	Professor Emeritus of Education
Vilate Elliott	Professor Emeritus of Home Economics
Charles E. Maw	Professor Emeritus of Chemistry
Amos N. Merrill	Professor Emeritus of Secondary Education
William J. Snow	Professor Emeritus of History
John C. Swensen.....	Professor Emeritus of Sociology
Ella Larsen Brown.....	Associate Librarian Emeritus

Active List*

Howard S. McDonald	President
--------------------------	-----------

B. S., Utah State Agricultural College, 1921; M. A., University of California, 1925; Graduate work, University of California, 1925-44; Instructor, Utah State Agricultural College, 1921-24; Vice-Principal and Dean of Boys, Balboa High School, 1928-34; Director of Teaching Personnel, San Francisco Public Schools, 1934-36; Deputy Superintendent in Charge of Teaching Personnel, San Francisco Public Schools, 1936-44; Superintendent of Schools, Salt Lake City, 1944-45; President, Brigham Young University, 1945—.

Lorna Call Alder, Assistant Professor of Elementary Education

B. S., Brigham Young University, 1935; M. A., Columbia University, 1940; Elementary Supervisor, Juarez Stake School System, 1930-34; Director of Teacher Training, Juarez Stake Academy, 1935-39; Supervisory Teacher, Brigham Young University Training School, 1940; Assistant Professor of Elementary Education, 1945—.

Mark K. Allen.....Associate Professor of Psychology

A. B., Brigham Young University, 1926; M. A., Stanford University, 1934; Graduate Study, Stanford University, 1929-31, 1934-35; Psychologist and Assistant Superintendent, Utah State Training School, 1932-34, Special Instructor in Psychology, Brigham Young University, 1940-46; Associate Professor, 1946—.

Dean A. Anderson.....Associate Professor of Agronomy and Bacteriology

B. S., Brigham Young University, 1929; M. S., Iowa State College, 1930; Ph. D., Iowa State College, 1932; Research Fellow, Iowa State College, 1932-33; Instructor, Weber College, 1933-41; Assistant Professor of Agronomy and Bacteriology, Brigham Young University, 1941-43; Associate Professor, 1943—.

*Faculty members are listed in alphabetical order

J. Roman Andrus.....Instructor in Art

B. S., Brigham Young University, 1942; M. S., Brigham Young University, 1943; Student, Otis Art Institute, 1934-39; Graduate Work, Colorado Springs Fine Art Institute, 1942; Special Instructor in Art, Brigham Young University, 1943; Instructor in Art, 1944—.

Ariel S. Ballif.....Professor of Sociology

B. S., Brigham Young University, 1925; M. A., University of Southern California 1937; Ph. D., University of Southern California, 1945; Teaching Fellow in Sociology, University of Southern California, 1937-38; University of Southern California, Summer, 1942; Instructor in Social Science Madison High School, 1925-26; Principal Maori Agricultural College, Hastings, New Zealand, 1927-30; Principal Midway Seminary, 1931-36; Instructor in Sociology, Brigham Young University, 1938-39; Assistant Professor of Sociology, 1939-43; Associate Professor, 1943-44; Professor, 1944—.

Carma Ballif.....Associate in Treasurer's Office

B. S., Brigham Young University, 1927, Graduate Work, University of Wisconsin; Assistant in Secretary's Office, 1927-41; Instructor in Physical Education for Women, 1934-36; Associate in Treasurer's Office, 1941—.

Irene S. Barlow.....Associate Professor of Home Economics

B. S., Utah State Agricultural College, 1919; M. S., University of Chicago, 1934; Graduate Work, University of Chicago, Iowa State College, 1940-41; Instructor in Home Economics, Brigham Young University, 1934-36; Assistant Professor of Home Economics, 1936-44; Associate Professor, 1944—.

Edith Bartholomew BauerInstructor in Secondary Education

A. B., Brigham Young University, 1930; M. A., Brigham Young University, 1946; Instructor in English, Payson Junior High School, 1930-34; Instructor in Secondary Education, Brigham Young University, 1945—.

D. Elden BeckAssociate Professor of Zoology & Entomology

A. B., Brigham Young University, 1929; M. A., Brigham Young University, 1930; Ph. D., Iowa State College, 1933; Head, Biology Department, Dixie College, 1933-38; Assistant Professor of Zoology and Entomology, Brigham Young University, 1938-46; Associate Professor, 1946—.

May Billings.....Assistant Professor of Home Economics

B. S., Brigham Young University, 1933; Student, Columbia University, Utah State Agricultural College, University of California, Colorado Agricultural College, University of Utah; Instructor in Clothing, Latter-Day Saints University, 1920-31; Instructor in Home Economics, Brigham Young University, 1932-42; Assistant Professor, 1942—.

Verla L. Birrell.....Assistant Professor of Art

B. S., University of Utah, 1928; M. A., Claremont Colleges 1942; Student, Chicago Academy of Fine Arts, 1930; Research Work, Columbia University, 1931; Student, Art Students League, N. Y., 1931; Study and Travel in Europe, 1935; Summer Sketching, Mexico, 1938; Claremont College, Summers, 1940-41; Study and Sketching in Mexico and Central America, 1943-41; Instructor, Payson High School, 1927-29; Instructor, Irving High School, Salt Lake City, 1929-37; Instructor in Art, Brigham Young University, 1937—.

Harold J. Bissell.....Assistant Professor of Geology

B. S., Brigham Young University, 1934; M. S., University of Iowa, 1936; Graduate Work, Brigham Young University, 1935; University of Iowa, 1937; Louisiana State University, 1940-42; Ohio State University, 1945; Field Assistant in Utah, U. S. Geological Survey, 1938-39; Junior Geologist, U. S. Engineer Office in Mississippi and Arkansas, 1942-43; Assistant Geologist, U. S. Geological Survey, in Utah, 1944-45; Instructor in Chemistry and Physics, Richfield High School, 1937-38; Instructor in Geology, Brigham Young University, 1938-40; Chairman, Division of Geology and Geography, Branch Agricultural College, 1943-44; Assistant Professor of Geology, Brigham Young University, 1946—.

Lillian C. Booth.....Counselor to Women

B. S., Brigham Young University, 1940; Student, University of Chicago, 1933; Instructor, American Fork and Provo Schools; Instructor, Brigham Young University Training School, 1917-18; 1924-25; Principal, Elementary Schools of American Fork, 1936-38; Instructor in Elementary Education, Brigham Young University, 1938-45; Counselor to Women, 1945—.

Louis W. Booth.....Instructor in Music

A. B., Brigham Young University, 1941; M. A., Brigham Young University, 1943; Faculty, McCune School of Music and Art, Salt Lake, 1935-41; New England Conservatory of Music, Boston, 1929-31 and 1934-35; Oboe and Sol-feggio under Clement Lenom; Solo Oboe with New Eng-

land Conservatory of Music Orchestra; Private Study with A. Bridet in Lyons, France, 1932-34; Solo Oboe with Utah State Symphony Orchestra, Salt Lake City; Instructor in Music and French, Brigham Young University 1940—.

Clarence S. Boyle.....Professor of Accounting and Business Administration

B. S., Brigham Young University, 1924; M. S., New York University, 1926; Ed. D., New York University 1941; Instructor, Driggs High School, Idaho, 1917-18; Instructor, Ricks College 1918-19; Head of Commercial Department, Provo High School, 1920-24; Instructor, Merchants' and Bankers' Business College, New York City, 1924-25; Instructor, Mount Vernon High School, N. Y., 1925-26; Instructor, Packard Commercial School, N. Y. C., 1936-38; Instructor, Rutgers University, University College, 1937-41; Associate Professor of Accounting and Business Administration, Brigham Young University, 1927-39; Professor, 1939—.

William H. BoyleProfessor Emeritus of Education

A. B., Brigham Young University, 1913; M. A., 1923; Graduate Work, University of California, University of Southern California; Principal, Brigham Young University High School, 1910-26; Assistant Professor of Elementary Education, 1923-35; Associate Professor, 1935-36; Professor of Education, 1936-45; Emeritus 1945—.

Reed H. Bradford.....Assistant Professor of Sociology

A. B., Brigham Young University, 1937; M. A., Louisiana State University, 1939; Ph. D., Harvard University, 1941; Teacher at West Virginia University, 1941-43 and 1945-46; Assistant Professor of Sociology, Brigham Young University, 1946—.

Ralph A. Britsch.....Assistant Professor of English

A. B., Brigham Young University, 1933; Graduate Work, Brigham Young University, 1936; Graduate Work, University of Wisconsin, Summer, 1938; University of Washington, Summer, 1941; Instructor in English and Speech, Gunnison Valley High School, 1933-35; Instructor in Speech, Provo High School, 1936-38; Instructor in English, Brigham Young University, 1938-44; Assistant Professor of English, 1944—.

Thomas L. Broadbent.....Associate Professor of German

A. B., Brigham Young University, 1936; M. A., Brigham Young University, 1937; Ph. D., University of Michigan, 1942. Assistant in German, Brigham Young University, 1934-36; Instructor in German, Brigham Young University,

ty, 1936-41; Assistant Professor of German, 1941-43; Associate Professor, 1943—.

Ella Larsen Brown.....Associate Librarian Emeritus

Student, Cook County Normal School; Columbia University; Primary Supervisor, Utah County Schools, 1900-02; Director, Brigham Young University Training School, 1902-08; Assistant Librarian, Brigham Young University, 1923-41; Emeritus, 1941—.

Hugh B. BrownAssociate Professor of Political Science,
and of Religion; Veterans' Counsellor

Member of Utah Bar Association; President of British Mission, L. D. S. Church; Coordinator of L. D. S. Service Men, 1942-45; Associate Professor of Political Science, and Veterans' Counsellor, Brigham Young University, 1946—.

Loren C. Bryner.....Associate Professor of Chemistry

B. S., Brigham Young University, 1928; M. S., Brigham Young University, 1930; Ph. D., Iowa State College, 1934; Assistant in Chemistry, Brigham Young University, 1928-30; Graduate Assistant in Chemistry, Iowa State College, 1930-35; Research Fellow, Iowa State College, Summers, 1931 and 1932; Assistant Professor of Chemistry, Brigham Young University, 1935-44; Associate Professor 1944—.

Gustave Buggert.....Instructor in Music

Graduate Music School of Madgeburg, Germany; Instructor in Music, Brigham Young University, 1930—.

Kenneth C. Bullock.....Instructor in Geology

B. S., Brigham Young University, 1940; M. A., Brigham Young University, 1942; Graduate Work, University of Wisconsin, 1942-43; Research Assistant, University of Wisconsin, 1942-43; Instructor in Geology, Brigham Young University, 1943—.

Newbern I. Butt.....Library and Research Associate

B. S., Utah State Agricultural College, 1915; M. S., Brigham Young University, 1939; Graduate Work, Columbia University, 1939; University of Chicago, 1941; Assistant Agronomist, Utah State Agricultural College, 1915-18; Library and Research Assistant, Brigham Young University, 1922-39; Library and Research Associate, 1940—.

Julia Alleman Caine.....Instructor in Social Science
University High School.

B. S., Brigham Young University, 1925; Instructor in Salt Lake City Schools, 1925-33; Graduate Work, Brigham Young University, 1935; University of Idaho, 1935; University of Utah, 1938-39; Instructor in Ucon High School, Idaho, 1935-40; Instructor in Social Science, Brigham Young University High School, 1940—.

William C. CarrInstructor in History & Political Science

A. B., Brigham Young University, 1934; Graduate Work, Brigham Young University, 1934-35 and summers 1936; 1937, 1938, and University of California (Berkeley) 1939-44, 1945-46; Teaching Fellow in University of California, 1945-46; Instructor, Maori Agricultural College, New Zealand, 1925; Instructor L. D. S. Seminaries 1935-39; Instructor, McClymnods High School, Oakland, California, 1944-45; Instructor in History and Political Science, Brigham Young University, 1946—.

Elsie C. Carroll.....Associate Professor of English

B. S., Brigham Young University, 1926; M. A., Brigham Young University, 1928; Student, Cornell University, University of Chicago, Stanford University; Columbia University, 1934; Graduate Work, University of Minnesota, 1938; Head of English Department, Kanab High School, 1917-18; Provo High School, 1919-20; Instructor in English, Brigham Young University, 1926-36; Assistant Professor of English, 1936-44; Associate Professor, 1944—.

Elias S. CastleAssistant in Botany

B. S., University of Utah, 1939; Graduate Work, Brigham Young University, 1939-40, 1946; Instructor in Biology, Salt Lake City Schools, 1940-41; Assistant in Botany, Brigham Young University, 1946—.

Thomas E. CheneyAssistant Profesosr of English

B. S., Utah State Agricultural College, 1930; M. A. University of Idaho, 1936; Graduate Work, Brigham Young University, Summer, 1937; University of Southern California, 1945; Superintendent Victor Public Schools, 1930-1934; Superintendent Moreland Public Schools, 1934-36; Principal Blackfoot Seminary, 1936-45; Assistant Professor of English, Brigham Young University, 1945—.

Harold T. Christensen..... Professor of Sociology

B. S., Brigham Young University, 1935; M. S., Brigham Young University, 1937; Ph. D., University of Wisconsin, 1941; Graduate Work, University of California, at Los

Angeles, 1937; Assistant in Sociology, Brigham Young University, 1935-36; Instructor, Brigham Young University, 1936-39; Assistant Professor, 1939-42; Associate Professor, 1942-43; Professor, 1943—.

Herbert K. Christensen.....Instructor in Secondary Education

B. S., Brigham Young University, 1945, Graduate Work, Brigham Young University; Instructor in Social Science, Provo High School, 1945; Instructor in Secondary Education, Brigham Young University High School, 1945—.

Parley A. Christensen.....Professor of English

B. S., Utah State Agricultural College, 1914; M. A., Stanford University, 1925; Ph. D., Stanford University, 1927; Assistant Professor of English, Brigham Young College, 1917-25; Professor of English, Brigham Young College, 1925-26; Associate Professor, Brigham Young University, 1927-28; Professor, 1928—.

A. John ClarkePrincipal of University High School

B. S., Brigham Young University, 1938; M. S., Brigham Young University 1941; Principal, Barnwell Consolidated School, Canada, 1930-37; Assistant in Chemistry, Brigham Young University High School, 1937-38; Instructor in Physics, Brigham Young University High School, 1938-44; Assistant Professor of Physics, University High School, 1944—; Principal, University High School, 1946—.

Harold G. ClarkProfessor of Education

B. S., Brigham Young University, 1928; M. S., University of Southern California, 1934; Ed. D., George Washington University, 1942; Recreational Director for U. S. Lines, 1928; Instructor in Mesa High School, 1928-32; Principal Solomonville, Arizona, 1932-37; Department of Agriculture, Chief Training Section, 1942-46; Professor of Education, Brigham Young University, 1946—.

**Herald R. Clark.....Professor of Finance and Banking
Dean, College of Commerce**

A. B., Brigham Young University, 1918; M. B. A., University of Washington, 1924; Graduate Work, Ohio State University; Instructor in Accounting, Brigham Young University, 1917-27; Associate Professor of Finance and Banking, 1927-28; Professor, 1928—; Dean, College of Commerce, 1934—.

J. Reuben Clark III.....Assistant Professor of French

A. B., University of Utah, 1934; University of Mexico, Summer, 1932; Graduate Work, Columbia University, 1934—.

39; University of Utah, Summer, 1935; Instructor, Cedar City Seminary, 1940-41; Instructor in Modern Languages, Brigham Young University, 1941-46; Assistant Professor of French, 1946—.

James R. Clark.....Assistant in Library

A. B., Brigham Young University, 1936; M. A. Brigham Young University, 1944; Graduate Work, University of Denver, School of Librarianship, 1940, Harvard University, 1945-46; Principal, Lovell-Cowley Seminary, Wyoming, 1936-38; Assistant in Library, Brigham Young University, 1938—.

Morris M. Clinger.....Instructor in Speech

A. B., Brigham Young University, 1932; M. A., Brigham Young University, 1946; Instructor in Speech and English, Richfield High School, 1933-36; Assistant in Speech, Brigham Young University, 1936-37; Instructor, 1937—.

Lars G. Crandall.....Assistant Purchasing Agent
Instructor in Secretarial Practice

B. S., Brigham Young University, 1944; M. S., Brigham Young University, 1945; Instructor in Secretarial Practice 1944—.

Evan M. Croft.....Assistant Professor of Secretarial Practice

B. S., Brigham Young University, 1929; M. S., University of Southern California, 1940; Graduate Work, University of Chicago and University of Southern California; Instructor in Commercial Subjects, Lehi High School, 1929-36; Instructor in Secretarial Practice, Brigham Young University, 1936-43; Assistant Professor, 1943—.

David M. Crowton.....Instructor in Physical Education
and Athletics

B. S., Brigham Young University, 1938; Assistant in Physical Education and Athletics, Brigham Young University Training Schools, 1937-38; Instructor, 1938—.

Lloyd L. Cullimore.....Medical Director

B. S., University of Utah, 1922; M. D., George Washington Medical College, 1925; Instructor in Physiology, George Washington Medical College, 1925-26; Fellow of the American College of Physicians, 1942; Instructor in Health Education, Brigham Young University, 1927; Assistant Medical Director, 1928-29; Medical Director, 1929—.

Benjamin F. Cummings.....Professor of Modern and
Classical Languages

A. B., University of Utah, 1913; Graduate Work, University of Utah; University of Chicago; Stanford University; University of Paris; Instructor in Modern Languages, Latter-day Saints University, 1910-12; 1914-20; Instructor in Modern Languages, University of Utah, 1913-14; Professor of Modern and Classical Languages, Brigham Young University, 1920—.

Gerrit de Jong, Jr......Professor of Modern Languages;
Dean, College of Fine Arts

A. B., University of Utah, 1920; M. A., 1925; Ph. D., Stanford University 1934; Graduate Work, National University of Mexico; University of Munich; Stanford University; Instructor Murdock Academy, 1916-18; Instructor, Latter-day Saints University, 1919-25; Associate Professor of Modern Languages, Brigham Young University, 1925-29; Professor, 1929—; Dean, College of Fine Arts, Brigham Young University, 1925—.

Fred W. Dixon.....Assistant Professor of
Physical Education and Athletics

B. S., Brigham Young University, 1926; M. S., Brigham Young University, 1939; Instructor in Physical Education and Athletic Director, Weber County High School 1926-28; Graduate Work, Utah State Agricultural College; Instructor in Physical Education and Athletics, Brigham Young University, 1928-41; Assistant Professor of Physical Education and Athletics, 1941—.

Lois Ensign.....Assistant Professor of Physical Education

M. S., University of Utah, 1942; M. A., University of Wisconsin, 1944; Instructor in Salt Lake City Schools, 1942-43; Assistant Professor of Physical Education, Central Washington College of Education, Ellensburg, Washington, 1944-45; Assistant Professor of Physical Education, Brigham Young University, 1945—.

Carl F. Eyring.....Professor of Physics and Mathematics;
Dean, College of Arts and Sciences

A. B., Brigham Young University, 1912; M. A., University of Wisconsin, 1915; Ph. D., California Institute of Technology, 1924; Assistant in Physics, University of Wisconsin, 1914-15; Assistant in Physics, California Institute of Technology, 1922-23; Acoustical Engineer, Bell Telephone Laboratories, 1929-31; Assistant in Physics, Brigham Young University, 1910-12; Instructor, 1912-14; Assistant Professor, 1915-17; Professor of Physics and Mathematics, 1917—Dean, College of Arts and Sciences, 1924—.

Flora D. Fisher.....Instructor in Elementary Education
B. S., Brigham Young University, 1936; Instructor in secondary schools of Utah, 1911-33; Supervisory Teacher, Brigham Young University, Training School, 1933-1939; Instructor in Elementary Education, 1939—.

O. Norman Geertsen.....Assistant in Physics
and Sound Technician

B. S., Brigham Young University, 1930; Research Engineer, Bell Telephone Laboratories, 1930-32; Instructor in Mathematics, Ogden City Schools, 1935-36; Assistant in Physics and Sound Technician, Brigham Young University, 1941—.

Jack R. GibbAssociate Professor of Psychology

A. B., Brigham Young University, 1936; M. A., Brigham Young University, 1937; Ph. D., Stanford University, 1943; Instructor in Statistics, Stanford University, 1942; Instructor in Psychology, Brigham Young University, 1937-42; Assistant Professor, 1942-46; Associate Professor, 1946—.

Arthur R. GilbertAthletic Trainer

B. S., Brigham Young University, 1940; Graduate Work, Brigham Young University, 1940-41; Instructor in Physical Education and Athletics, Springville High School, 1941-42, 1944-45; Instructor in Physical Education and Athletics, Murray High School, 1945-46; Athletic Trainer, Brigham Young University, 1946—.

Charles Haggerty..... Assistant in Library

A. B., Brigham Young University, 1939; M. S., Brigham Young University, 1946; Assistant in Library, 1943—.

Wayne B. Hales.....Professor of Physics and Mathematics

A. B., Brigham Young University, 1916; M. A., University of Utah, 1922; Ph. D., California Institute of Technology, 1926; Instructor in Physics, Ricks College, 1916-21; President, Snow College, 1921-24; Professor of Physics, Weber College, 1926-30; Associate Professor of Physics, Brigham Young University, 1930-38; Professor of Physics and Mathematics, 1938—.

John R. Halliday.....Associate Professor of Music

A. B., Brigham Young University, 1935; M. A., Brigham Young University, 1936; Ph. D., Music Theory, Eastman School of Music, University of Rochester, N. Y., 1941; Student, State Academy of Music in Berlin, 1933-34; Instructor, Brigham Young University, 1936-39; Assistant Professor of Music, 1939-44; Associate Professor, 1944—.

May C. Hammond,Assistant Professor of
Elementary Education

B. S., Brigham Young University, 1934; Student, University of California and Columbia University; Graduate Work, University of Southern California, 1942-43; Instructor, Provo City Schools, 1923-25; Supervisory Teacher, Brigham Young University Training School, 1925-43; Assistant Professor, 1943—.

George H. Hansen.....Professor of Geology and Geography

B. S., Utah Agricultural College, 1918; M. S., George Washington University, 1925; Ph. D., George Washington University, 1927; Field Work with U. S. Geological Survey, Summers, 1918, 1925, 1926, in Utah, Colorado, and New Mexico; California Institute of Technology, 1939; Assistant Professor of Geology and Geography, Brigham Young University, 1927-29; Professor, 1929—.

William F. Hanson.....Assistant Professor of Music

B. S., Brigham Young University, 1936; M. S., Brigham Young University, 1937; Teacher's Certificate, Chicago Musical College, 1924; Private Work with Xaver Schaswenka, Maurice Aronson, Felix Borowski, Dr. Carl Busch and H. B. Maxyott, 1924; Graduate Work, New York City, 1931-32; 1938-39; Supervisor, High School Music, Vernal, 13 years; Supervisor, Public School Music, Brigham Young University, 1924-25; Instructor in Music, 1926-31; Assistant Professor of Music, 1931—.

Margaret Olsen Harris*.....Assistant Professor of
Home Economics

B. S., Utah State Agricultural College, 1935; M. S., Teachers College, Columbia University, 1940; Graduate Work, Utah State Agricultural College, Summer, 1935; Brigham Young University, Summer, 1936; Oregon State College, Summer, 1937; University of Utah, Summer, 1938; Instructor, Delta High School, 1935-36; Juab High School, 1936-38; Branch Agricultural College of Utah, 1938-39; Brigham Young University, 1940-41; Utah State Agricultural College, 1941-43; Assistant Professor of Home Economics, Brigham Young University, 1944—.

Bertrand F. Harrison.....Professor of Botany

B. S., Brigham Young University, 1930; M. S., Brigham Young University, 1931; Ph. D., University of Chicago, 1937; Graduate Assistant in Botany, University of Chicago, 1936-37; Assistant in Botany, Brigham Young University, 1929-31; Instructor in Botany, 1931-35; Assistant Professor of Botany, 1935-37; Associate Professor, 1937-38; Professor, 1938—.

Anna Boss Hart Instructor in English
University High School

B. S., Utah State Agricultural College, 1923; M. A., University of Southern California, 1933; Graduate Work, University of Wisconsin, 1937-39; Columbia University, Summer, 1941; Instructor in Arimo, Idaho, High School, 1923-25 and 1927-28; Principal, Kelsey, Texas, High School and Elementary Grades, 1926-27; Instructor in Speech and English, Logan Senior High School, 1928-35; Instructor in English, Brigham Young University High School, 1939—.

Charles J. Hart Professor of Physical Education
and Athletics

B. S., Utah State Agricultural College, 1922; M. A., New York University 1932; Ed. D., New York University, 1945; Instructor, Teton High School, 1923-25; Instructor in Physical Education and Athletics, Brigham Young University, 1925-27; Assistant Professor, 1927-37; Associate Professor of Physical Education, 1937-38; Professor, 1938—.

Afton Hawker Clerk of Extension Division

B. S., Brigham Young University, 1940; Clerk of Extension Division, Brigham Young University, 1940—.

John E. Hayes Registrar

B. S., Brigham Young University, 1924; Instructor, Brigham Young University, 1903; Registrar, 1904—.

Franklin R. Haymore Manager of University Press;
Secretary of Alumni Association

B. S., Brigham Young University, 1939; Graduate work, 1940-42; Manager of University Press, 1940—; General Secretary, Alumni Association, 1944—.

C. Lynn Hayward Associate Professor of Zoology

B. S., Brigham Young University, 1927; M. S., Brigham Young University, 1931; Ph. D., University of Illinois, 1941; Graduate Work, University of California, 1935; University of Illinois, 1938-39; Instructor, Fielding High School, 1927-30; Assistant in Zoology, Brigham Young University, 1930-31; Instructor, 1931-39; Assistant Professor of Zoology, 1939-44; Associate Professor, 1944—.

Leo Herbert Associate Professor of Accounting
and Business Administration

B. S., Brigham Young University 1939; Ph. D., Louisiana

University, C. P. A., 1944; Assistant Professor Louisiana State College; Associate Professor, Brigham Young University, 1946—.

Elizabeth Hill.....Assistant in Counseling of Women

A. B., Brigham Young University, 1941; M. A., Columbia University, 1944; Assistant in Counseling of Women, 1944—.

Leona HolbrookProfessor of Physical Education

B. S., University of Utah, 1929; M. A., Columbia University, 1935; Graduate Work, University of Utah, Columbia University New School for Social Research, New York; Instructor and Playground Director, Salt Lake City; Civic Center Director, Kaysville, Utah; M. I. A. Summer Camp Recreation Director; Federal Experimental Camp Recreation Director; Associate Camp Director, Y. W. C. A., New York City; Instructor in Physical Education, Brigham Young University, 1937-38; Assistant Professor of Physical Education for Women, 1938-41; Associate Professor, 1941-42; Professor, 1942—.

Billie Hollingshead.....Assistant Professor of Education

A. B., Texas State College for Women, 1922; M. A., Brigham Young University, 1929; Ph. D., University of Southern California, 1935; Graduate Work, George Washington University, 1940-41; Instructor, Valdez High School, Valdez, Alaska, 1922-23; Instructor Star Valley High School 1924-26; Instructor, High School, Kohala, Hawaii, 1927-28; Instructor, Brigham Young University High School, 1929-36; Assistant Professor of Education, 1936-42; Assistant Professor of Home Economics, 1942-45; Assistant Professor of Education, 1946—.

Grant Robert Holt.....Instructor in Accounting and
Business Administration and in Economics

A. B., Brigham Young University, 1938; M. B. S., Stanford Graduate School of Business, 1942; Instructor in Accounting and Business Administration and in Economics, Brigham Young University, 1946—.

Harrison Val Hoyt.....Professor of Accounting and
Business Administration

B. S. (Engineering), Purdue University, 1913; M. B. A., Harvard University, 1917; Ph. D., Stanford University, 1931; Professor of Accounting and Business Administration, and Dean, College of Commerce, Brigham Young University, 1921-31; Dean, Oregon State College of Commerce, 1931-32; Dean and Director, University of Oregon School of Business Administration and Commerce Work, Oregon State College, 1932-36; Professor of Accounting

and Business Administration, Brigham Young University, 1937—.

H. Grant Ivins.....Professor of Animal Husbandry

B. S., Utah State Agricultural College, 1917; Graduate Work, University of Wisconsin, U. S. Dept. of Agriculture, University of Maryland; Instructor in Animal Husbandry, Brigham Young University, 1929-31; Assistant Professor of Animal Husbandry, 1931-37; Associate Professor, 1937-38; Professor, 1938—.

Briant S. Jacobs.....Assistant Professor of English

B. A., Brigham Young University, 1939; Teacher, high school at Richfield, Utah, 1939-40; Graduate Work, State University of Iowa, 1940; Ph. D., State University of Iowa, 1944; Graduate Assistant in English, State University of Iowa, 1943; Instructor in English at Iowa Wesleyan College, Mt. Pleasant, Iowa, 1943-44; Assistant Professor of English, Brigham Young University, 1946—.

M. Wells Jakeman.....Assistant Professor of Archaeology

A. B., University of Utah, 1931; M. A., University of Southern California, 1932; Ph. D., University of California (Berkeley) 1938; Study in Mexico, 1936; Graduate Work, University of California at Los Angeles, 1939-40; Study at Peabody Museum of American Archaeology and Ethnology, Harvard University, 1945; Assistant Professor of Archaeology, Brigham Young University, 1946—.

C. Lavoir Jensen.....Instructor in Mathematics

Student, Brigham Young College and University of Utah; Instructor, Logan High School, 1915-16; Principal, Midvale Schools, 1917-21; Instructor, Brigham Young University High School, 1921—.

Christen Jensen.....Professor of History and Political Science; Dean, Graduate School

A. B., University of Utah, 1907; M. A., Harvard University, 1908; Ph. D., University of Chicago, 1921; Graduate Work, University of California; Study in Europe, 1928; Assistant Professor of History and Political Science, Brigham Young University, 1908-11; Professor, 1911—; Acting Dean, College of Applied Science, 1924-29; Acting President, Brigham Young University, 1939-40; Dean, Graduate School, 1929—.

Edgar M. Jenson.....Professor of Education;
Director, Teacher Placement

A. B., Brigham Young University, 1916; M. A., Brigham

Young University, 1919; Graduate Work, Stanford University; Head, Education Department, Dixie College, 1919-23; President, Dixie College, 1923-26; Instructor, Brigham Young University, 1927-28; Assistant Professor of Educational Administration, and Principal, University High School, 1928-35; Director of Training Schools, 1930; Assistant Professor of Education, 1928-42; Associate Professor, 1942-44; Professor, 1944—.

Joseph J. Keeler..... University Organist

B. S., Brigham Young University, 1940; Student of Karl Straube and Robert Teichmüller, Leipzig Conservatory, 1931-32; also at Royal College of Music, London, 1933; Instructor in Piano and Organ, Brigham Young University, 1935—.

Philemon M. Kelly.....Associate in Medical Department

M. D., Northwestern University, Medical School, 1909; Graduate Work in Pediatrics and Internal Medicine, University of California, 1920-21; Mayo Clinic, Rochester, 1918, 1929; Study in Vienna, 1938; Associate in Medical Department, Brigham Young University, 1939—.

Edwin R. Kimball.....Professor of Physical Education
and Director of Athletics

B. S., Brigham Young University, 1926; M. S., University of Southern California, 1935; Coach, Millard County High School, 1926-27; Coach, Grand County High School, 1927-30; Coach, Jordan High School, 1931-35; Staff Officer, Commander Fleet Air West Coast, in charge of Physical, Military, and Survival Training for the West Coast, 1922-44; Staff Officer, Commander Air Force, Pacific Fleet, in charge of Physical and Military Training, Pacific Ocean Area, 1944-45. Instructor in Physical Education and Athletics, Brigham Young University, 1935-37; Assistant, Professor and Coach, 1937-38; Associate Professor and Director of Athletics, 1938-42; Professor, 1942—.

Hattie M. Knight.....Circulation Librarian

B. S., Brigham Young University, 1941; B. S., in L. S. University of Denver, 1943; Assistant in Library, Brigham Young University, 1941-45; Circulation Librarian, Brigham Young University, 1945—.

Gladys Kotter.....Assistant Professor of
Elementary Education

B. S., Brigham Young University, 1930; M. S., Columbia University, 1935; Supervisory Teacher, Brigham Young University Training School, 1927-39; Assistant Professor of Elementary Education, 1939—.

Asael C. Lambert.....Professor of Educational Administration,
Dean of Summer Session

B. S., Brigham Young University, 1925; M. S., 1926; Ph. D., Stanford University, 1935; Superintendent of Public Instruction, Fremont County, Idaho, 1923-24; Instructor, Brigham Young University, 1924-27; Principal, University High School, 1926-28; Assistant Professor of Secondary Teaching, 1927-32; Associate Professor, 1932-34; Professor of Educational Administration, 1934—; Dean, Brigham Young University Summer Session, 1937—.

Bent F. Larsen.....Professor of Art

A. B., Brigham Young University, 1912; M. A., University of Utah, 1922; Graduate Work, University of Chicago, Art Institute of Chicago, Academie Julian, Paris, Academie Colarossi, Paris, Academie de La Grande, Chaumiere, Paris, Student in Europe for sixteen months, 1929-30, with George Elmer Brown Art Group and in Academie Andre L'Hote; Supervisor of Art, B. Y. U. Training School, 1908-12; Associate Professor of Art, 1912-31; Professor, 1931—.

Reuben D. Law.....Professor of Elementary Education
Dean of College of Education

B. S., Utah State Agricultural College, 1928; M. S., Utah State Agricultural College, 1933; Ed. D., University of Southern California, 1941; Superintendent of Schools, Rich County School District, 1929-35; Instructor in Education, Utah State Agricultural College, Summer, 1933; Superintendent of Schools, Duchesne County School District, 1935-36; Visiting Professor of Education, University of Southern California, Summers, 1940 and 1942; State Director of School-Community Relations and Libraries, Utah State Department of Public Instruction, 1940-41; Professor of Education, Summer School of Education, Victoria, B. C., Canada, 1943; Assistant Professor of Elementary Education, Brigham Young University, 1936-38; Associate Professor, 1938-42; Professor, 1942—; Dean of College of Education, 1946—.

Harold W. Lee.....Associate Professor of Modern
Languages

A. B., Brigham Young University, 1938; M. A., Brigham Young University, 1940; Ph. D., Stanford University, 1946; in France, 1930-33; Graduate Work, University of Southern California, Summer, 1939; Stanford University, 1941-43; Assistant Instructor in Romanic Languages, Stanford University, 1942-43; Principal and Instructor in Arts and Sciences, Alberta High Schools, 1927-30; 1933-37; Assistant in French, Brigham Young University, 1937; Instructor in French, 1938-44; Assistant Professor of Modern Languages, 1944-46; Associate Professor of Modern Languages, 1946—.

Wilford D. Lee*.....Instructor in English

A. B., Brigham Young University, 1934; M. A., Brigham Young University, 1937; Instructor in English, Brigham Young University, 1934—.

George L. Lewis.....Instructor in Speech

A. B., Brigham Young University, 1941; Instructor in Speech and English, North Gem High School, Bancroft, Idaho, 1941-42; Graduate Work, Brigham Young University, 1942, 1946; Instructor, Topaz High School, 1942-43; Instructor in Speech, Brigham Young University, 1946—.

Wesley P. Lloyd.....Professor of Philosophy of Education;
Dean of Students

B. S., Brigham Young University, 1927; M. S., Brigham Young University, 1934; Ph. D., University of Chicago, 1937; Instructor in Social Sciences, Edmunds High School, 1927-29; Principal, 1929-30; Principal, L. D. S. Seminary, Grace, Idaho, 1930-31; Principal, L. D. S. Seminary, Oakley, Idaho, 1931-34; Research Fellow, University of Chicago, 1936-37; Instructor in Education, Brigham Young University, Summer, 1935; Assistant Professor of Philosophy of Education, 1937-38; Associate Professor and Dean of Men, 1938-45; Professor, 1939—; Dean of Students and Director of Special Services, 1945—.

Ferron C. Losee.....Graduate Manager of Athletics

B. S., Brigham Young University, 1936; M. S., University of Southern California, 1938; Director of Athletics and Physical Education, Roosevelt High School, 1936-37; Swimming and Track Coach and Intramural Sports Director, Weber College, 1937-42; Field Representative, American Red Cross, 1940-41; Recreation Director, Las Vegas, Nevada, 1942; Athletic Instructor, U. S. Navy, 1942-45; Graduate Manager of Athletics, Brigham Young University, 1946—.

John Wells McAllister.....Instructor in Elementary Education and Public School Music

A. B., Brigham Young University, 1927; Student work, Chicago Musical College, 1922; American Conservatory, 1923, Northwestern University, 1923; Instructor, Public School Music, Fresno State Teachers College, 1929; Instructor, Public School Music, Santa Barbara State Teachers College, 1934; Instructor of Band, Orchestra, Men's Chorus, Santa Barbara State Teachers College, 1935; Instructor in Public School music, Brigham Young University, 1944—.

H. Neil McKnight.....Instructor in Accounting and Business Administration, Asst. Manager of Student Supply Ass'n.

B. S., Brigham Young University, 1937; Special Graduate Course in Statistics, Harvard University, 1943; Special Instructor in Accounting, 1942; Instructor in Accounting, 1946—; Assistant Manager, Student Supply Association, 1937—.

Florence Jepperson Madsen.....Professor of Music

B. M., Chicago Musical College, 1926; M. M., 1927; Doctor of Music, Boguslawski College of Music, 1932; A. B. Brigham Young University, 1934; Graduate Work in Music, New England Conservatory of Music; Honorary Doctor of Music, Chicago College of Music, 1933; Director, Vocal Department, Lasalle Seminary, Boston, 1911-16; Instructor in Vocal Art, L. D. S. School of Music and Weber College, 1916-18; Instructor in Music, Chicago Musical College, Summers, 1927-41; Brigham Young University, 1910-11; 1916-18; Professor of Music, 1920—.

Franklin Madsen.....Professor of Music

A. B., Brigham Young University, 1925; M. A., Brigham Young University, 1931; Graduate Diploma, Chicago Musical College, 1925; Teachers' Certificate in Vocal Art and Singing, 1927; B. M., 1926; M. M., 1927; B. M. E., 1928; Mus. Doc., 1929; M. M. E. (Master of Music Education), 1932; Study in private studios in Europe, 1923; Honorary Doctor of Music Education, Boguslawski College of Music, 1933; Honorary Doctor of Music Education, Chicago College of Music, 1934; Instructor, Chicago Musical College, Summers, 1927-41; and Winter, 1927-28; Instructor in Music, Brigham Young University, 1920-24; Assistant Professor of Music, 1924-30; Associate Professor, 1930-31; Professor, 1931—.

Georgia Maeser.....Assistant Professor of Elementary Education

B. S., Brigham Young University, 1928; M. A., Columbia University, 1938; Supervisory Teacher, Brigham Young University Training School, 1926-39; Assistant Professor of Elementary Education, 1939—.

Milton Marshall.....Professor of Physics

A. B., Brigham Young University, 1918; Ph. D., University of Chicago, 1924; Instructor in Physics, Brigham Young University, 1919-21; Assistant Professor of Physics, 1924-27; Associate Professor, 1927-30; Professor, 1930—.

Thomas L. Martin.....Professor of Agronomy and Bacteriology,
Dean, College of Applied Science

A. B., Brigham Young University, 1912; Ph. D., Cornell University, 1919; Study in Europe, 1930; Principal, Big Horn Academy, 1912-15; Emery Stake Academy, 1916-17; Millard Academy, 1919-21; Instructor in Soils, Cornell University, 1917-19; Professor of Agronomy, Brigham Young University, 1921-35; Professor of Agronomy and Bacteriology, 1935—; Dean, College of Applied Science, 1937—.

Charles E. Maw.....Professor Emeritus of Chemistry

A. B., Stanford University, 1903; M. S., University of Chicago, 1916; Ph. D., Stanford University, 1924; Graduate Work, Columbia University, 1916; University of California, 1923; Professor of Chemistry, Brigham Young University, 1903—46; Professor Emeritus, 1946—.

Amos N. Merrill.....Professor Emeritus of Secondary Education

B. S., Utah Agricultural College, 1896; M. S., University of Illinois, 1908; Ph. D., Stanford University, 1926; Graduate Work, Harvard University, and Travel in Europe, 1938; Exchange Professor in Education, University of Maine, 1940; Professor of Agriculture, Brigham Young College, 1905-09; Professor of Agriculture, Brigham Young University, 1909-22; Dean, Church Teachers' College, 1917-23; Professor of Secondary Education and Supervisor of Secondary Training, 1924; Acting Dean, College of Education, 1930-39; Dean, College of Education, 1939—45; Emeritus, 1945—.

Madison W. Merrill.....Associate in Medical Department

D. M. D., North Pacific Dental College, 1923; Special Work in Extractions and Oral Surgery at Mayo Clinic Dental Department, Summers, 1931 and 1936, and Special Work in Orthodontia, Denver, 1937; Associate in Medical Department, Brigham Young University, 1938—.

Elmer Miller.....Professor of Economics

A. B., Stanford University, 1914; Graduate Work, Stanford University; University of Chicago; University of California; Harvard University, 1942-43; Instructor Dixie Normal College, 1911-12; Superintendent, Alpine School District, 1922-25; Associate Professor of Economics, Brigham Young University, 1923-29; Professor, 1930—.

George L. Miller.....Instructor in Elementary Education

B. S., Brigham Young University, 1942; Instructor, Beav-

er County Schools, 1938-41; Principal, Box Elder County Schools, 1941-42; Instructor, Ogden City Schools, 1942-43; Instructor in Elementary Education, Brigham Young University, 1944—.

Karl Miller.....Supervisor in Engineering and Maintenance Service

B. S., Brigham Young University, 1932; Graduate work, 1932-33; Assistant Superintendent of Buildings and Grounds, Brigham Young University, 1934; Superintendent, 1939; Supervisor in Engineering and Maintenance Service, 1944—.

Floyd Millet.....Assistant Professor of Physical Education
Coach of Basketball and Track

A. B., Brigham Young University, 1933; M. S., University of Southern California, 1939; Graduate Work, Brigham Young University, Utah State Agricultural College, University of Southern California; Instructor in Physical Education and Athletics, Davis County High School, 1934-37; Instructor in Physical Education and Assistant Athletic Coach, Brigham Young University, 1937-43; Assistant Professor, 1943—.

Alonzo J. Morley.....Professor of Speech

A. B., Brigham Young University, 1925; M. A., Brigham Young University, 1931; Ph. D., University of Iowa, 1935; Teacher of Public Speaking and Dramatic Art, Uintah County High School, 1925-26; Head of Speech Department, Weber County High School, 1926-27; Instructor in Speech, Brigham Young University, 1928-30; Assistant Professor of Speech, 1930-35; Associate Professor, 1935-44; Professor, 1944—.

Ermel J. Morton*Instructor in Journalism
Assistant in the Extension Division

A. B., Brigham Young University, 1936; Graduate work, Brigham Young University, 1940-42; Principal Makeke College, L. D. S. preparatory school, Tongan Islands, 1937-38; advertising assistant, Merrill Company, 1942; reporter and political writer, Salt Lake Telegram, 1942-44; Instructor in Journalism and Assistant in the Extension Division, Brigham Young University, 1944—.

Hugh Nibley.....Assistant Professor of History and Religion

A. B., University of California at Los Angeles, 1934; Ph. D., University of California, Berkeley, 1938; University Fellow in History, U. C. Berkeley, 1935-36; Lecturer in History and Social Philosophy, Claremont Colleges, 1938-

42; Assistant Professor of History and Religion, Brigham Young University, 1946—.

Henry J. Nicholes.....Instructor in Science, University High School

A. B., Brigham Young University, 1935; M. S., University of Wisconsin, 1939; Ph. D., University of Wisconsin, 1941; Member Engineering Department, Provo Foundry and Machine Co., 1935-37; Utah Copper Company, 1942-43; Instructor, Gila College, 1941-42; Instructor at University of Utah, 1943-46; Instructor in Science, Brigham Young University High School, 1946—.

Joseph K. Nicholes.....Professor of Chemistry

A. B., Brigham Young University, 1916; M. A., Stanford University, 1924; Graduate Work, University of Chicago, Summer, 1933, and Stanford University, Summers, 1934-36; President, Dixie College, 1919-23 and 1926-33; Assistant Professor of Chemistry, Brigham Young University, 1933-36; Associate Professor, 1936-41; Professor, 1941—.

Anna Ollorton.....Librarian

A. B., Brigham Young University, 1913; Graduate Work, University of Chicago, University of Utah, Chautauqua Summer School, Columbia University; University of California, 1938; Assistant Librarian, Brigham Young University, 1919-23; Acting Librarian, 1923-31; Librarian, 1931—.

T. Earl Pardoe.....Professor of Speech

Graduate, Leland Powers School, 1913; A. B., Brigham Young University, 1925; M. A., University of Southern California, 1932; Graduate Work, Columbia University; Speech Correction, University of Southern California; Ph D., University of Louisiana, 1936; Head, Department of Dramatic Art and Public Speaking, Weber Normal College, 1915-18; Associate Professor of Public Speaking and Dramatic Art, Brigham Young University, 1920-22; Professor of Speech, 1922—.

Cornelius R. PetersonAssistant in Treasurer's Office.

B. S., Brigham Young University, 1936; General Alumni Secretary, Brigham Young University, 1938; Assistant in Treasurer's Office, Brigham Young University, 1941—.

Dean A. Peterson....Assistant Professor of Secretarial Practice

B. S., Brigham Young University, 1938; M. S., University of Southern California, 1942; Instructor in Commercial Subjects, North Sanpete High School, Mt. Pleasant, 1938—.

39; Head of Business Department, Dixie Junior College, 1939-41; Instructor in Business Department, Weber College, 1941-42; Instructor in Secretarial Practice, Brigham Young University, 1942-46; Assistant Professor of Secretarial Practice, 1946—.

Hermese Peterson.....Professor of Elementary Education,
Principal of Elementary Training School

B. S., Brigham Young University, 1928; Graduate Work, Brigham Young College, Utah State Agricultural College, Columbia University, University of Utah, University of California; University of Chicago; Primary Supervisor, Alpine School District, 1908-12; Study in Europe, 1928; Critic Teacher, Brigham Young University Training School, 1912-20; Primary Supervisor, 1920-23; Assistant Professor of Elementary Teaching, 1923-35; Associate Professor, 1935-36; Professor of Elementary Education, 1936—.

Hugh W. Peterson.....Associate Professor of Chemistry

A. B., Brigham Young University, 1916; M. A., Brigham Young University, 1928; Ph. D., University of Iowa, 1936; Graduate Work, University of Utah, 1917; Utah State Agricultural College, Summer, 1924; Instructor, Big Horn Academy, 1917-18; Latter-day Saints University, 1918-19; Wasatch High School, 1919-20; Provo High School, 1920-27; Instructor in Chemistry, Brigham Young University, 1927-36; Assistant Professor of Chemistry, 1936-44; Associate Professor, 1944—.

A. Smith Pond*.....Associate Professor of Economics

A. B., University of Utah, 1926; Ph. D., Northwestern University, 1942; Research Associate, Illinois State Tax Commission, 1936-37; Instructor in Economics, Brigham Young University, 1937-39; Assistant Professor of Economics, 1939-43; Associate Professor, 1943—.

Margaret S. Potter.....Instructor in Home Economics

B. S., Brigham Young University, 1939; Graduate Work, Utah State Agricultural College, summers 1939 and 1945, Colorado State College of Agriculture and Mechanic Arts, summer of 1941; Instructor, Lehi High School, 1936-41; Instructor and Dean of Girls, Davis High School, 1941-46; Instructor in Home Economics, Brigham Young University, 1946—.

M. Wilford Poulson.....Professor of Psychology

A. B., Brigham Young University, 1914; M. A., University of Utah, 1919; Graduate Work, University of Chicago; University of California; Stanford University; Instructor in Education, Brigham Young University, 1910-16; Assistant

Professor of Education, Brigham Young University, 1916-19; Associate Professor of Education, 1919-22; Associate Professor of Psychology, 1922-23; Professor, 1923—.

Ernest Reimschiessel Gardener
Instructor in Landscape Architecture

A. B., Brigham Young University, 1940; Assistant in Landscape Architecture, Brigham Young University, 1942—.

Leonard William Rice Instructor in English

A. B., Brigham Young University, 1941; M. A., University of Washington, 1943; Graduate Work, University of Washington, 1943; Assistant in English, Brigham Young University, 1941-42; Instructor, 1942—.

Naoma Rich Associate Librarian

B. S., Brigham Young University, 1931; Certificate in Library Science, Riverside Library Service School, 1932; Columbia University, 1943; Librarian and Instructor in Office Practice, Bear River High School, 1927-30; Librarian, Snow College, 1933-37; Assistant Librarian, Brigham Young University, 1937-41; Associate Librarian, 1941—.

Stella P. Rich Assistant Professor of English

B. S., Brigham Young University, 1926; Study and Foreign Travel, 1935; Instructor, Public Schools of Utah and Idaho, 1911-27; Student, University of Chicago; Instructor in English, Brigham Young University, 1927-33; Assistant Professor of English, 1938—.

Grant S. Richards Assistant Professor of
Animal Husbandry

B. S., Utah State Agricultural College, 1940; Research Assistant Utah Experiment Station, 1940-1942; M. S., Utah State Agricultural College, 1942; Vocational Agricultural Instructor, Fielding High School, Paris, Idaho; Assistant Professor of Animal Husbandry, Brigham Young University, 1945—.

Beth Richardson Reserve Librarian

A. B., Brigham Young University, 1940; B. S. in L. S., University of Denver, 1944; Librarian, Richfield High School, 1940-41; Assistant in Library, Brigham Young University, 1941-45; Reserve Librarian, 1945—.

Bertha Roberts.....Assistant Professor of French

A. B., Brigham Young University, 1926; Graduate Work, University of Chicago, 1929; Diploma, University of Paris, 1933-34; Graduate Work, McGill University, 1940-41; Instructor, Wasatch High School, 1918-19; Instructor in Office Practice, Brigham Young University, 1919-33; Instructor in French, 1934-39; Assistant Professor of French, 1939—.

Leroy J. Robertson.....Professor of Music

Graduate, New England Conservatory of Music, 1923; A. B., Brigham Young University, 1932; M. A., Brigham Young University, 1932; Study in Europe, 1932-33; Instructor in Music, Brigham Young University, 1924-26; Assistant Professor of Music, 1926-27; Associate Professor, 1927-31; Professor, 1931—.

R. Max Rogers.....Assistant Professor of German

A. B., Brigham Young University, 1940; M. A. Brigham Young University 1942; Graduate Work, Stanford University, 1942-1943, 1944-1945; Assistant Instructor in German, Brigham Young University, 1940-42; Assistant Instructor in Germanic Languages, Stanford University, 1942-44; Instructor, in German, Brigham Young University, 1945-46; Assistant Professor, 1946—.

Antone K. Romney.....Assistant Professor of Education

B. S., Brigham Young University, 1933; M. S., Brigham Young University 1934; Graduate Work, University of Chicago; Columbia University, Stanford University, Instructor, Provo High School, 1935-41; Director Character Education, Libraries and Guidance, Utah State Department of Education, 1941-45; Assistant Professor of Education, Brigham Young University, 1945—.

Catherine Romney.....Instructor in Home Economics**Ed. M. Rowe.....Professor of English**

A. B., Brigham Young University, 1923; Graduate Work, Utah State Agricultural College, Brigham Young University, University of Chicago, University of Wales, 1931-33; Cornell University, 1940; Superintendent, Spanish Fork Schools, and Principal, Spanish Fork High School, 1907-11; Instructor in English, Brigham Young University, 1924-27; Assistant Professor of English, 1927-35; Associate Professor, 1936-43; Professor, 1943—.

Lawrence W. Sardoni.....Instructor in Music

A. B., Brigham Young University, 1935; M. A., Brigham Young University, 1946; Instructor in Music, Mesa College, 1935-44; Instructor in Music, University of Colorado, Summer, 1942; Instructor in Music, Western State College,

Gunnison, Colo., Summer 1943; Special Instructor in Music, Brigham Young University, 1945; Instructor, 1946—.

Kiefer B. Sauls.....Secretary-Treasurer, Board of Trustees

B. S., Utah State Agricultural College, 1920; Graduate Work, Utah State Agricultural College; Secretary to Director, Utah Agricultural Experiment Station, 1917-21; Secretary to President and Purchasing Agent, Brigham Young University, 1921-39; Secretary-Treasurer, Board of Trustees, 1939—.

**James Wyley Sessions.....Professor of Religious Philosophy
Director of Religious Activities**

B. S., Utah State Agricultural College, 1911; M. A., University of Idaho, 1928; Professor of Agriculture, University of Idaho, Southern Branch, 1912-17; Extension Division, University of Idaho, 1917-19; President, South African Mission, 1920-26; Director, L. D. S. Institute, University of Idaho, 1927-30; University of Idaho, Southern Branch, 1930-35; University of Wyoming, 1935-36; Director, Missionary Training School, Salt Lake City, 1936-38; Professor of Religion, L. D. S. Institute, Logan, Utah, 1938-39; Professor of Religious Philosophy and Director of Religious Activities, Brigham Young University, 1939—.

Oliver R. Smith.....Assistant Professor of Journalism

A. B., Brigham Young University, 1938; Assistant in Extension Division, Brigham Young University, 1938-40; Instructor in Journalism and Assistant in Extension Division, 1940-46; Assistant Professor of Journalism, 1946—.

**Morris R. Snell.....Supervisor in Engineering and Maintenance
Service**

B. S., Brigham Young University, 1935; Graduate work U. S. A. C. summer school 1935. Head of Mechanic Arts Department, Dixie Junior College, 1935-36; Supervisor in Engineering and Maintenance Service, Brigham Young University, 1936-42; Engineer, Utah Pomeroy Morrison Co., 1942-43; Supervisor in Engineering and Maintenance Service B. Y. U., 1944—.

William H. Snell.....Professor of Mechanic Arts

A. B., Brigham Young University, 1918; M. S.; Brigham Young University, 1939; Special Work, Bradley Polytechnic Institute, and School of Architecture, University of Southern California; Instructor in English, Brigham Young University, 1915-17; Instructor in Woodwork, 1916-21; Assistant Professor of Mechanic Arts, 1921-36; Associate Professor, 1936-39; Professor, 1939—.

William J. Snow.....Professor Emeritus of History

A. B., Brigham Young University, 1919; Ph. D., University of California, 1923; Principal, Uintah Stake Academy, 1906-08; Instructor in History, Brigham Young University, 1910-15; Assistant Professor of History, 1915-17; Professor, 1917-41; Emeritus, 1941—.

Wayne Soffe.....Instructor in Physical Education
and Assistant Athletic Coach

B. S., Brigham Young University, 1938; M. S. Brigham Young University, 1941; Graduate Work, Brigham Young University, 1938-39; Instructor in Physical Education and Assistant Athletic Coach, Brigham Young University, 1938—.

LeRoy Sparks.....Instructor in Secondary Education

A. B. Utah State Agricultural College, 1928; Graduate Work, Utah State Agricultural College, Summer, 1932; Brigham Young University, Summer, 1941; Bookkeeper, Chrysler and Dodge Distributors, 1936-38; Instructor Roosevelt High School, 1930-36; Lyman, Wyoming, High School, 1938-42; Lehi High School, 1942-44; Instructor, Brigham Young University High School, 1944—.

Irene Osmond Spears.....Associate Professor of Modern
Languages

A. B., Brigham Young University, 1929; M. A., Stanford University, 1934; Ph. D., Stanford University, 1942; Instructor in Modern Languages, Jordan High School, 1929-33; Instructor, Brigham Young University, 1936-42; Assistant Professor, 1942-45; Associate Professor, 1945—.

Lucile Spencer.....Assistant in Registrar's Office

B. S., Brigham Young University, 1940; Instructor in Commercial Education, Fielding High School, Paris, Idaho, 1939-40; Assistant in Registrar's Office, Brigham Young University, 1940—. Instructor in Secretarial Practice, 1942—.

Sidney B. Sperry.....Professor of Old Testament
Languages and Literature

A. B., University of Utah, 1917; M. A., University of Chicago, 1926; Ph. D., University of Chicago, 1931; Graduate Work, American School of Oriental Research, Jerusalem, Palestine; Principal L. D. S. Seminary system 1922-28; Director, L. D. S. Institute, Moscow, Idaho, 1929-31; Associate Professor of Religious Education, Brigham Young University, 1932-39; Professor of Old Testament Language and Literature, 1939—.

George Stewart.....Special Professor of Agronomy

B. S., Utah State Agricultural College, 1913; M. S., Cornell University, 1918; Ph. D., University of Minnesota, 1926; Professor of Agronomy, Utah State Agricultural College 1919-30; Senior Ecologist, Branch Research, U. S. Forest Service, 1930—; Special Professor of Agronomy, Brigham Young University, 1932—.

Josephine Strong.....Instructor in Elementary Education

Student, University of Utah and San Francisco State Teachers College; Instructor, Salt Lake City Schools, 1922-23; Supervisor, Chinatown Nursery School, San Francisco, California, 1934-37; Supervisory Teacher, Brigham Young University Training School, 1936—.

Anna Stucki

B. S., Brigham Young University, 1945; Secretary to the President, Brigham Young University, 1945—.

Joseph Sudweeks.....Associate Professor of Educational Administration

B. S., University of Idaho, 1912; M. A., University of Chicago, 1920; Ph. D., University of Wisconsin, 1925; Instructor and Supervisor of Training, U. S. Veterans' Bureau, University of Idaho, 1920-23; Assistant in Department of Education, University of Idaho, 1920-21; Assistant Professor of Educational Administration, Brigham Young University, 1925-27; Associate Professor, 1927—.

Margaret Summerhays.....Instructor in Music

A. B., Brigham Young University, 1936; Graduate, New England Conservatory of Music, 1916; Student of Frederick H. Haymond, Mme. Sophie Cehanovske, Edmund G. Meyer, Emiel Polak, Gabriel Lafriere; Special Instructor, in Music, Brigham Young University, 1927-29; Instructor 1930—.

John C. Swensen.....Professor Emeritus of Sociology

A. B., Stanford University, 1898; M. A. Columbia University, 1921; Graduate Work, Columbia University, Summer, 1924; Assistant Professor of English, Brigham Young University, 1898-99; Professor of History and Economics, 1899-1900; Dean, College of Education, 1921-24; Professor of Economics and Sociology, 1906-1941; Emeritus, 1941—.

Russel B. Swensen.....Professor of New Testament and Primitive Church History

A. B., Brigham Young University, 1926; M. A., University

of Chicago, 1931; Ph. D., University of Chicago, 1934; Principal L. D. S. Seminary system 1926-30; Assistant Professor of Religious Education, Brigham Young University, 1933-39; Associate Professor, 1939-44; Professor, of New Testament and Primitive Church History, 1944—.

Orea B. Tanner.....Assistant Professor of English

A. B., Brigham Young University, 1932; Graduate Work, University of Chicago, Summer, 1935; Teacher, Idaho Schools, 1916-19; Instructor in English, Rexburg Junior High School, 1925-30; Critic Teacher, Rick's College, Summers, 1926-27; Instructor in English, Provo High School, 1932-38; Instructor in English, Brigham Young University, 1938-44; Assistant Professor of English, 1944—.

Vasco M. Tanner.....Professor of Zoology and Entomology

A. B., Brigham Young University, 1915; M. A., University of Utah, 1920; Ph. D., Stanford University, 1925; Head, Department of Biology, Dixie College, 1916-18; 1920-24; Professor of Zoology and Entomology, Brigham Young University, 1925—.

Ethelyn Peterson Taylor.....Instructor in Secretarial Practice

B. S., Brigham Young University, 1937; Graduate Work, University of Utah, 1940-43; Teacher in Nebo School District, 1937-38; University of Utah, 1939-43; Instructor in Secretarial Practice, Brigham Young University, 1946—.

J. Golden Taylor.....Instructor in English

B. S., Brigham Young University, 1936; M. A., Brigham Young University, 1940; Instructor in English at Union High School, Snowflake, Arizona, 1939-41; Instructor in English, Provo High School, 1942-44; Instructor in English, Brigham Young University, 1945—.

Weldon J. Taylor.....Assistant Professor of Accounting
and Business Administration

B. S., Brigham Young University, 1934; M. B. A., Harvard Graduate School of Business Administration, 1937; Clerk, Federal Power Commission, 1935; Instructor in Economics, Brigham Young University, 1937-38; Instructor in Accounting and Business Administration, 1938-42; Assistant Professor, 1942—.

Eunice Brough Talboe.....University Nurse

R. N., L. D. S. Hospital, Salt Lake City, 1941; B. S., Brigham Young University, 1943; General Duty Nursing, Bakersfield, California, 1942; Public Health

Nursing, 1942-43; University Nurse, Brigham Young University, 1943—.

L. Elliott Tuttle.....Instructor in Science, University High School

B. S., Brigham Young University, 1938; Instructor, Provo City Schools, 1932-36; Instructor Roslyn Heights, L. I., Public Schools, 1941-42; Supervisory Teacher, Brigham Young University Training School, 1936-45, Instructor in Science, University High School, 1945—.

Clarence TyndallDirector of the Bureau of Audio-Visual Instruction

B. S., Brigham Young University, 1941; Head of Commercial Department, Preston Senior High School, 1941-43; Graduate Work, Stanford University, 1946; Director of the Bureau of Audio-Visual Instruction, Brigham Young University, 1946—.

Ralph Ungermann.....Instructor in Speech

A. B., Brigham Young University, 1939; M. A., Brigham Young University 1941; Assistant in Speech, Brigham Young University, 1941-42; Instructor, 1942—.

Lee Benson Valentine.....Assistant Professor of Spanish

A. B., Brigham Young University, 1939; Student in Argentina, 1935-38; Assistant in Spanish, Brigham Young University, 1938-41; Instructor in Spanish, 1940-46; Assistant Professor of Spanish, 1946—.

Melbourne D. Wallace.....Assistant Professor of Horticulture and Supervisor, B. Y. U. Farm

B. S., Utah State Agricultural College, 1940; Vegetable Crops; Fellowship and Graduate work, Utah State Agricultural College, 1940-41; Laboratory assistant, Western Regional Research Laboratories, Albany, California, 1940-41; Agricultural advisor and chemical laboratory technician, Pleasant Grove Canning Company, 1941-44; Instructor of Horticulture, Brigham Young University, 1944-46; Assistant Professor of Horticulture, 1946—.

Effie Warnick.....Professor of Home Economics

B. S., Utah State Agricultural College, 1914; M. S., Iowa State College, 1937; Graduate Work, Columbia University, University of California, University of Chicago, Iowa State College; Instructor, Branch Agricultural College, 1914-15; Instructor of Foods and Nutrition, Brigham Young University, 1922-23; in Household Administration,

1923-27; Assistant Professor of Home Economics, 1927-30; Associate Professor, 1930-35; Professor, 1935—.

Jean Anne Waterstradt.....Instructor in English

A. B., Brigham Young University, 1945; Instructor in English, Brigham Young University, 1945—.

John H. Wing.....Assistant Professor of Chemistry

B. S., Brigham Young University, 1926; M. S., Brigham Young University, 1934; Graduate Work, University of Colorado, Summer, 1936; University of Iowa, Summer, 1939; Chemist, Columbia Steel Company, 1926-27; Assistant Chief Chemist, Columbia Steel Company, 1927-29; Chemist, International Smelting and Refining Company, 1929-31; Assistant in Chemistry, Brigham Young University, 1931-37; Instructor, 1937-44; Assistant Professor of Chemistry, 1944—.

Vera B. Woodland.....Instructor in Elementary Education

A. B., Brigham Young University, 1937; Graduate Work, University of Utah and Brigham Young University; Instructor, Provo City Schools, 1937-41, 1944-45; Instructor in Elementary Education, Brigham Young University, 1945—.

Golden L. Woolf.....Professor of Secondary Education;

A. B., Brigham Young University, 1934; M. A., Brigham Young University, 1936; Ed. D., University of California, 1940; Graduate Work, University of California, 1938-39; Instructor in Languages, Brigham Young University, 1934-35; Instructor in Secondary Education, 1935-37; Assistant Professor of Secondary Education, 1937-39; Principal, University High School, 1935; Associate Professor, 1939-42; Professor, 1942—.

Karl E. Young.....Professor of English

B. S., Utah State Agricultural College, 1924; B. A., Oxford University 1930; M. A., Oxford University, 1934; Graduate Work, Harvard University, 1924-25; Certificate, University of Toulouse, Summer, 1929; Instructor in English, Brigham Young University, 1930-31; Assistant Professor of English, 1932-37; Associate Professor, 1937-43; Professor, 1943—.

SPECIAL INSTRUCTORS

George W. Fitzroy, Special Instructor in Piano.

Elmer Nelson, Instructor in Piano.

Hannah C. Packard, A. B., Special Instructor in Vocal Music.

Lucille Sandberg, A. B., Special Instructor in Clarinet, and Saxophone.

Lynn Taylor, A. B., Special Instructor in Art.

Jesse J. Weight, M. D., Associate in Bacteriology:

University History

Brigham Young University, formerly designated the Brigham Young Academy, was founded by a deed of trust executed by President Brigham Young, October 16, 1875.

It is in charge of a board of trustees, elected triennially, by the vote of the Latter-day Saints, acting through the First Presidency of the Church of Jesus Christ of Latter-day Saints.

For many years it was dependent upon fees and the proceeds of the original endowment for its maintenance, but in recent years an annual church appropriation has been the chief source of its financial support.

Buildings. The first home of the institution was in Lewis Hall, a mercantile building, standing on the northeast corner at the intersection of Center and Third West streets.

Subsequently, this building with several additions, was destroyed by fire. The school, however, resumed its sessions with the loss of but one day. The basement of the Stake Tabernacle, a store, and the First National Bank building, housed the school for a short time.

From these temporary quarters it moved into the upper story of the Z. C. M. I. warehouse, at the corner of Sixth South street and University avenue. This was the home of the school for seven years.

In 1891 the school moved to what is now known as the Education building, a structure costing \$75,000, made possible chiefly through the personal credit of President Abraham O. Smoot and his associates on the Board of Trustees.

The College building, a gift of ten persons whose names are upon a marble tablet in a hall of the building, was erected in 1898. The responsibility for raising the funds for this building was undertaken voluntarily by the late Reed Smoot, a member of the Board of Trustees.

The Training School building was built in 1902, the cost of which was met by the contributions of friends of the school, chief among whom was "Uncle" Jesse Knight.

The Art building was erected in 1904, a gift of the nearby stakes comprising what was known at that time as the B. Y. U. academic district.

The Alumni Association, in honor of Dr. Karl G. Maeser, presented the institution with the Maeser Memorial building in 1911. The cost of this building was \$112,000.00. "Uncle" Jesse Knight contributed liberally to the Alumni Association in this project. The heating plant and furnishings were provided by the Church. This building was the first to be erected on University Hill.

The Women's Gymnasium, which is also a recreation building, was erected in 1913.

The Mechanic Arts building, a one-story structure, on University Hill, was erected in 1919.

The Heber J. Grant Library building, also on University Hill, was erected in 1925.

The last three named buildings were built by Church appropriations.

In 1935, two stories were added to the Mechanic Arts building to provide additional classrooms and laboratories. The name was changed to George H. Brimhall building.

During the year 1935-36, a Stadium House, on the west side of the football field, was erected.

In 1937-38, Allen Hall—a men's dormitory—and in 1938-39, Amanda Knight Hall—a women's dormitory—were constructed. These will accommodate eighty and one hundred students, respectively.

The Joseph Smith building was commenced on the upper campus in 1939 and completed in 1941 as a project of the Church Welfare program to serve as the religious and social center of the University.

During the year 1943 the University acquired the National Youth Administration building on the east part of the campus for use of the Mechanics Arts Department.

Campus. The first campus of the school was limited to a small playground back of the building which was destroyed by fire. The present Education building was erected in the center of a block 24 by 24 rods.

Then came the purchase of University Hill. As early as 1904, steps were taken to acquire land on this site. A purchase of seventeen acres was made from Provo City. A gift of something over seven acres came from the Fourth ecclesiastical ward of Provo; part of an acre was purchased by an alumnus,

and the point of the hill by the student body. Following a movement initiated by the Alumni Association, seventy-five acres were purchased in 1923-24. Since that time purchases have been made of other tracts, not only on University Hill, but adjacent to and between the two campuses, until the area now comprises approximately two hundred acres.

Administration. The first faculty consisted of the principal and two assistants, Dr. Karl G. Maeser, Dr. Milton K. Hardy, and Kristina Smoot. Dr. Karl Maeser served as principal until 1891, when he was called to the general superintendency of Church schools. Dr. Benjamin Cluff, Jr., succeeded Dr. Maeser and served as the executive head of the school until December 22, 1903. Dr. George H. Brimhall succeeded Dr. Cluff and served the institution as president until April 26, 1921, when he was made president-emeritus. On the same date Dr. Franklin Stewart Harris was appointed president, taking office July 1, 1921. Dr. Harris served until June 30, 1945, at which time he was succeeded by Howard S. McDonald.

Educational Growth. The first credential granted by the institution was a teacher's certificate given on the completion of one year's normal work. This was followed by a certificate requiring two year's normal work, followed later by the degree of Bachelor of Pedagogy, issued upon the completion of four years' normal work. Later the Bachelor of Arts and Bachelor of Science degrees were authorized to be conferred upon the completion of the regular four years' college course.

The degrees of Master of Arts and Master of Science have been authorized since 1918.

On February 11, 1909, by an action of the General Church Board of Education, the collegiate department of the University was designated The Church Teachers' College.

At the beginning of the school year 1920-21, the name Church Teachers' College was changed to School of Education and the School of Arts and Sciences was established. During 1921 a College of Commerce and Business Administration was organized and courses leading to a degree of Bachelor of Science outlined. The names, School of Education and School of Arts and Sciences, were changed to College of Education and College of Arts and Sciences. At the same time an Extension Division, a Research Division, and a Graduate Division were organized.

January 25, 1922, a college of Applied Science was established to include the departments of Agronomy, Animal Husbandry, Art, Auto Mechanics, Foods and Nutrition, Horticul-

ture, Household Administration, Textiles and Clothing, and Woodwork. On April 21, 1925, a College of Fine Arts was established to include the departments of Art, Music and Speech.

During the year 1928-29, the Y Stadium was completed, the name of the College of Commerce and Business Administration was changed to College of Commerce; and the Graduate Division was changed to Graduate School.

On January 11, 1940, there was established a Division of Religion in which were centered the religious teaching and religious activity of the institution.

War Service. During the War the University has aided in training personnel for the Army through the following programs: The Army Specialized Training Program, Engineering Science Management and Defense Training, and Civil Pilot Training.

Requirements

General Requirements For Undergraduate Work

ADMISSION

A student seeking admission to any of the colleges of the University must be a graduate of an accredited high school, or he must present sixteen units of approved high school work which must be acquired during four school years, or he must pass an examination in a sufficient number of subjects to make sixteen units. In no case shall fewer than twelve of the sixteen units be acquired during the last three years of high school.

He must offer among his credits the following:

- English.....3 units
- A principal group 3 or more units
- A secondary group 2 or more units

The principal and secondary groups must be selected from either Mathematics and Science or from History and Social Science. At least one unit in Mathematics, either Algebra or Geometry, must be included in either the principal or the secondary group. If the principal group is from Mathematics and Science, the secondary group, must be from History and Social Science, or vice versa.

To facilitate registration, a student seeking admission is requested to forward an official copy of his credits to the Registrar not later than September 1. If blanks for this purpose are not to be had at the local school, they may be obtained from the Registrar at the University.

In case a student is unable to furnish an official transcript of credits on or before the day of registration, he may be admitted tentatively, provided the committee on admission and credits is convinced he can furnish such transcript and otherwise meet the entrance requirements within thirty days. During this tentative period he will be rated as unclassified.

A student of twenty-one years of age or over, who has not completed sixteen units of high school work, but shows ability to do special work, may be admitted to any of the colleges of the University. Ability to do special work must be certified to by the heads of the departments concerned. He may pursue any course for which he has sufficient foundation, and will be rated as an unmatriculated student. To become a candidate for a degree, such student must meet the entrance requirements.

A student who has met the entrance requirements but who is carrying fewer than eight hours of work will be designated as a special student.

Course Divisions

Undergraduate courses of study are divided into:

- (a) Lower Division
- (b) Upper Division

Lower Division courses are numbered in the catalogue from "1" to "49." Upper Division courses from "50" to "99." Graduate courses are given numbers above "100."

Election of Studies

The student, in electing his studies, should, with the advice and approval of the dean of the college in which he registers, elect such studies as are desirable. The major and minor, as well as the general, requirements for graduation should be kept in mind in electing studies. **Three credit hours in lower division Physical Education and one credit hour in Health I are required of all Freshmen.**

Should a resident student desire to take courses by correspondence or in extension classes, the approval of the student's dean must be secured, and the correspondence or extension work entered upon the regular registration card. Excess work taken by correspondence or extension classes not approved in this manner, will not be recorded for credit. Resident students of other institutions who apply for correspondence or extension class work at this University must have their proposed registration approved by the president of the institution in which they are registered. Students wishing to transfer correspondence credits from other institutions are subject to examination by the University department concerned.

At least five quarters of lower division work should be completed before the student registers for upper division work, unless in certain sequences the dean, with the consent of the instructor, advises otherwise. Included in the lower division work must be English 1, 2, 3; and for the A. B. degree, twelve hours in foreign language work. (A minimum of twenty-four hours of foreign language work or its equivalent must be obtained by the end of the college course for the A. B. degree.) It is recommended that as far as possible group requirements be completed by the close of the sophomore year.

Classification of Students

A regular student with fewer than forty-five credit hours at the beginning of the school year will be classed that year as a Freshman.

A regular student with more than forty-five credit hours and fewer than eighty-nine credit hours at the beginning of the year will be classed during that year as a Sophomore.

A regular student with more than eighty-nine credit hours and fewer than one hundred thirty-five at the beginning of the school year will be classed during that year as a Junior.

A regular student with more than one hundred thirty-four credit hours at the beginning of the school year will be classed during that year as a Senior.

Credits

A student may have credit entered on the books of the University as follows: 1. For work done in the regular courses offered by the institution. 2. For work done in an accredited college when such credit is to be used for graduation from the University, the amount to be determined by the committee on Admission and Credits. 3. By passing a satisfactory examination in any course offered by the University under the supervision of the head of the department concerned. Credits from other schools should be filed with the Registrar upon entrance.

Special examinations for advance credit will be given only with the consent of the head of the department concerned, the dean of the college in which the student is registered, and the committee on Admission and Credits.

An incomplete course of study must be completed during the next quarter of residence, provided the next quarter of residence is within one year; otherwise the course must be retaken in a class, or a special examination taken to obtain credit.

A fee of \$2.50 per credit hour is charged for special examinations, provided the total fee for any one subject does not exceed \$20.00.

University Credits Recognized

Brigham Young University is on the list of approved colleges of the Association of American Universities. It is also a member of the Northwest Association of Secondary and Higher Schools, the American Council on Education, and the Association of American Colleges.

The University is on the approved list of the American Association of University Women.

The Extension Division is a member of the National University Extension Association and the American Association for Adult Education.

University credits are accepted as widely as those of other similarly rated institutions.

Graduation

General Requirements

For a student to be admitted to candidacy for a diploma or a degree, his scholastic record must show that he has satisfied the entrance requirements, and that he can fulfill all the requirements for graduation on the completion of the courses for which he is registered. At the time of graduation each candidate must be properly registered in the University, and must have completed at least forty-five hours of work in residence.

The following graduation requirements apply to all candidates for a bachelor's degree from any of the colleges of the University:

Total amount of credit.....	186 hours
Requirement for a major.....	30 to 45 hours
Requirement for a minor	20 hours

Group Requirements:

Mathematics and Physical Science.....	12 hours
Biology and Psychology	12 hours
Social Science	12 hours
English and Foreign Languages.....	18 hours

Two credit hours in Religion are required of every student for each quarter in residence.

Lower Division Courses Required:

English 1, 2, and 3.

Physical Education: Three credit hours in lower division.

Health 1.

A candidate for a Bachelor of Arts degree is required to furnish 24 credit hours in a foreign language. Shopwork, shorthand and typing will not be credited toward the A. B. degree.

Not more than 28 hours of "D" grade credit will be applied towards graduation.

Students who expect to be graduated at the end of the Spring quarter should file application with their dean not later than the beginning of the Winter quarter. All conditions must be removed not later than ten days before graduation.

Students who fulfill all requirements for graduation at the close of the Summer session and who have filed application for graduation not later than thirty days preceding the close of the Spring quarter may have their graduation certified to by the proper authorities of the University, but they shall not be publicly graduated until the annual commencement of the following year.

The University reserves the right to change the requirements for graduation and a candidate for graduation will be asked to comply with all changes which pertain to the uncompleted portion of his course. The University Council is the body authorized to prescribe requirements of graduation and to pass on candidates.

Group Requirements

Ordinarily the object of the first two years of the University curriculum is to introduce the student to fundamental fields of human interest and to provide a broad basis for later specialization. In order that these purposes may be achieved, certain studies should be completed under the direction of the respective deans. Before a regular student will be permitted to register for more than five quarter hours of upper division work during any one quarter, he must choose or be tentatively assigned to a major professor and have completed the number of hours prescribed in each of the following groups:

1. Mathematics and Physical Science, 12 hours. (Mathematics, Chemistry, Physics, Geology, and Geography.) To satisfy the twelve-hour group requirements the student is urged to take work in at least two departments. At least one of the courses taken must require no fewer than two hours of laboratory work each week.

2. Biology and Psychology, 12 hours. (Bacteriology, Botany, Zoology and Entomology, Psychology.) To satisfy the twelve-hour group requirement the student is urged to take work in at least two departments. At least one of the courses must require no fewer than two hours of laboratory work each week.

3. Social Science, 12 hours. (Economics, History, Political Science, Sociology.) To satisfy the twelve-hour group requirement the student is urged to take work in at least two departments.

4. English and Foreign Languages, 18 hours, at least 12 of which must be in English. This group must include English 1, 2, and 3. In case a student has credit for at least two units of foreign language taken in high school, this group may be reduced to 14 hours.

Major and Minor Requirements

At least sixty hours of upper division work must be furnished by a student applying for graduation.

At the beginning of his college course, and in no case later than his Junior year, each student should select his major department, the head of which in connection with his dean, will serve as his special faculty adviser. At the time of his graduation he must have completed from thirty to forty-five quarter hours in the department, and no fewer than twenty hours in collateral or minor subjects which meet the approval of the head of his major department.

In cases where the prospective graduate's high school and college work shows marked evidence of deficiencies in grade of scholarship, in breadth of training, or a preparation for probable future activity, the head of the department in consultation with the dean may prescribe certain additional specified courses to the extent of fifteen quarter hours according to the needs of the particular student.

Scholarship Honors

In recognition of specially meritorious work, scholarship honors are granted to certain members of classes graduating with the Bachelor's degree. Such honors will be accorded on the following basis:

First: There is only one designation in recognition of high scholarship merit, namely, Graduation with Honor.

Second: The award of Graduation with Honor is made on the basis of excellence shown in work up to but not including the Spring quarter of the senior year.

Third: A student receiving the award of Graduation with Honor must rate as one of the highest five percent in scholarship in the graduating class. This rating is determined by computing a grade-point average by weighting the grades as follows: "A" counts 3, "B" counts 2, "C" counts 1, "D" counts 0, "E" counts -1; and by dividing the total number of points by the number of credit hours acquired.

Fourth. It shall be the duty of the Committee on Graduation to make selection of candidates in accordance with these provisions.

Fifth. The announcement of honor awards is to be made at the annual commencement exercises.

Term Honors. The University will post and publish at the close of each quarter of the regular school year the names of the students who have received "A" grades in not fewer than sixteen hours.

The Graduate School

CHRISTEN JENSEN, DEAN

All graduate work leading to higher degrees is administered under the direction of the Council of the Graduate School.

Graduate courses are listed under each department of instruction but are administered by the department head and the Dean of the Graduate School.

The functions of the Council of the Graduate School are to fix the conditions for admission to the School, to administer the requirements for the degrees offered, to admit students to candidacy for degrees, to supervise the conduct of examinations for degrees, to grant graduate fellowships, scholarships, and other stipends, and to perform all other functions and duties which pertain to the administration of graduate work in the University. The Dean is the administrative officer of the Council.

Character of Graduate Work. The essential aim of graduate study is to develop the power to do independent work and to encourage the spirit of research. Each candidate for a higher degree is expected to possess a broad, general knowledge of his major and a fair degree of information in his minor subject.

Registration. All students pursuing graduate work are to be registered by the Dean of the Graduate School.

Students holding a Bachelor's degree equivalent to that conferred by the Brigham Young University will be admitted to graduate work without examination.

If during any quarter of the senior year a candidate for a baccalaureate degree finds it possible to complete all requirements for such degree with a registration of fewer than sixteen hours of undergraduate credit he may register with the Dean of the Graduate School for enough graduate credit so that the total registration shall not exceed sixteen quarter hours during such quarter.

Admission to graduate courses is granted only to those who have the requisite undergraduate work in those courses or departments. In order adequately to determine this fact the student should file with the Dean of the Graduate School an official transcript of his undergraduate courses at the time that he registers for graduate study.

Each graduate student must submit his course of study and the title of his thesis to his major professor and the Dean of the Graduate School for approval. Changes in registration may be made only with their consent.

Graduate credit is given under the following conditions: (1) The courses for which graduate credit is given must be definitely catalogued as courses carrying graduate credit. (2) Only those students who are eligible to receive graduate credit at the time a course is taken will receive graduate credit for such a course.

Admission to Candidacy. Registration for graduate study does not admit a student to candidacy for a higher degree. A graduate student who has been in residence one quarter or more, whose thesis subject has been approved, and who has given evidence of ability to do work of a graduate character may be admitted to candidacy for a higher degree by vote of the Graduate Council. The mere accumulation of credit does not necessarily indicate ability to do graduate work. All applications for admission to candidacy for a higher degree should be made to the Dean of the Graduate School.

Requirements for the Master's Degree. Two higher degrees are offered: Master of Arts (M.A.), provided the candidate meets the foreign language requirements for the A. B. degree; and Master of Science (M.S.), if the candidate does not meet the foreign language requirements for the A. B. degree. A student may be admitted to candidacy upon the completion of the following requirements: (a) The candidate must, after securing a Bachelor's degree, furnish 45 hours of graduate credit, approved by the Dean of the Graduate School and major professor, in addition to 186 hours of college credit, and 16 units of high school credit. Beginning with the school year 1935-36 the candidate will also be required to be in residence three quarters. (b) A thesis must be submitted based on work done in some field of investigation within the major department, and which must show evidence of independent research. The final acceptance of the thesis shall be under the supervision of a committee to be known as the Thesis Committee. This Committee shall consist of the major professor and two other persons to be selected by him. (c) At least fifteen days before graduation, the candidate must pass an oral examination to be given by a committee to be known as the Examining Committee. This Committee shall consist of five members including the Dean of the Graduate School, the major professor, and three other members to be selected by them.

The candidate shall furnish complete copies of his thesis to his major professor and to the Dean of the Graduate School at least five days before the date of the final examination. (d) A bound typewritten or printed copy of the thesis must be furnished the University library. (e) A candidate for a Master's degree must secure a grade of "B" or above in three-fourths of his graduate work. No grade below "C" will count toward a Master's degree. (f) An applicant for this degree must furnish at least one-half of his graduate credit in his major subject. The rest of the credit for this degree must be offered in work closely related to the major subject.

A maximum of nine (9) quarter hours of graduate extension credit may be applied toward a Master's degree, provided such credit has been earned through the Extension Division of this University and has been approved by the Director of the Extension Division and the Dean of the Graduate School when the candidate registers for such credit. No credit earned in Correspondence courses can be applied toward a Master's degree.

A maximum of nine (9) quarter hours of graduate credit earned in another standard college or university may be applied toward a Master's degree, but in no instance shall such transferred credit, or any extension credit, be accepted toward the fulfillment of the requirements for a Master's degree unless all such credit is closely integrated and related to the candidate's major field of study.

Under no circumstances shall a candidate be permitted to apply more than a maximum of fifteen (15) quarter hours of combined extension credit and transferred credit from other approved colleges and universities.

The use of extension credit and transferred credit for the Master's degree shall under no conditions modify the University requirement that a candidate for this degree must be in residence during three quarters.

A minimum of thirty (30) quarter hours of graduate credit must be secured in residence in this institution.

Higher Degrees: Preliminary work leading to higher degrees is now available to those wishing to begin their work.

Summer Quarter

It is the policy of the Brigham Young University to make the summer session one of the regular quarters of the school year. A large corps of teachers, supplemented by well known educators from other institutions, offers a wide range of subjects from each of the departments of the school.

The summer session is divided into two terms so that students may be in attendance only part of the summer, if they desire, without hindrance to the completion of their courses. The first term is held on the Provo campus. The second term, ordinarily held on the Alpine Campus on the east slope of Mount Timpanogos, will, during the war, be held on the City Campus.

The summer session provides the opportunity for persons who are employed during the usual nine months of schooling to pursue graduate work. It provides regular students the opportunity to complete requirements for graduation in a shorter time than four years.

Extension Division

The Extension Division offers the following services: Extension classes, home study (correspondence) courses, adult education lectures and lyceum numbers; speakers for educational, civic and religious gatherings; and visual aids for school, church, and other organizations. (For more details, see Extension Division section following Courses of Instruction.)

University Fees

(All fees are payable in advance)

Regular College and Graduate Students:

Registration fee for full year if paid at beginning of Autumn quarter	\$70.00
Activity fee for the year if paid in advance (including tax)	12.50
Health Service fee	10.00
Gymnasium service fee	3.00
Withdrawal deposit	1.00
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Total fees for year if paid in advance.....	\$96.50

Registration fee if paid quarterly	25.00
Activity fee for quarter only (includ. tax)....	5.00
Health Service fee	4.00
Gymnasium service fee for quarter only	1.00
Withdrawal deposit	1.00
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Total quarterly fee for first registration of year	\$36.00

(Total fee for re-registration for a second or third quarter \$35.00.)

Special College and Graduate Students:

Special student rate is \$2.50 per credit hour with a minimum registration fee of \$5.00, and a maximum registration of eight (8) credit hours.

Special students auditing courses shall pay the same tuition as students taking courses for credit. They are not required to pay the Student Activity and Gymnasium fees, but may purchase them if they wish. They are not eligible for the Health Service.

Special students are subject to the late registration fee.

Special students taking private work only for credit shall pay in addition to the instructor's fee \$2.50 per credit hour, but shall not be subject to the late registration fee if all the work for which they register is private.

Miscellaneous Fees:

Special Examinations per credit hour	2.50
(The maximum fee in any one subject shall not exceed \$20.00).	
Training Fee (For those who elect Sec. Educ. 84, or El. Educ. 84)	5.00
Graduation Fee	10.00

Late Registration Fees:

A late fee of \$3.00 will be charged all Freshmen and Sophomore students registering at the University for the first time who do not report to the campus at 9:00 a. m., on the officially scheduled day for placement tests and orientation work preliminary to registration.

Students who register after the officially scheduled registration days are required to pay a late registration fee of \$1.00 the first day, \$2.00 the second day and through the remainder of the first week, and \$3.00 after the first week. One is not registered until fees are paid.

DEPARTMENTAL LABORATORY FEES**Per Class Per Quarter**

Art 23, 26, 73, 76	\$ 1.00
Art 25, 75	1.50
Art 24, 27, 74, 77	3.00
Agronomy 53, 93	1.00
Bacteriology 22, 60, 62, 83—2 hrs., 81—5 hrs., 93	1.00
Botany 25, 60	2.00
Chemistry 2, 4, 5, 6, 10, 11, 21, 22, 23, 62, 71, 72, 73, 74, 77, 78, 79, 81, 82, 83	3.00
Elementary Education 56, 59	1.00
Geology 51	1.00
Mechanic Arts (Eng. Drawing) 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 19, 26, 27, 28, 51, 52, 53.....	.50
Organ Practice rental, 1 hr. per day per qr.	6.00
Piano Practice rental, 1 hr. per day per qr.	3.00
Physical Education 22, (Skiing)	10.00
Physical Education 20, (Golf)	2.50
Physics 26, (Photography)	3.00
Recreation 28, (Hiking)	5.00

Recreation 29, (Horseback riding)	20.00
Speech 11	75
Zoology 11	1.00
Zoology 21 .....	.50
Zoology & Entomology 30, 33	2.00
Zoology & Entomology 32	4.00
Zoology 45, 59	3.00
Zoology 55, 56, 73	5.00
Zoology 70	1.50
Zoology 72	2.00
Zoology 28, 65	2.50

Deposits

Botany 25, 60 (Breakage deposit)	3.00
Mechanic Arts (Eng. Drawing) .....	.50
Physical Education (Towel check deposit) .....	.25
Physical Education (Lock deposit)	1.25

PRIVATE INSTRUCTION IN MUSIC

(The following rates are for one lesson per week
during a quarter)

Booth, Louis W.	\$24.00
Buggert, Gustav	24.00
Fitzroy, George W.	19.00
de Jong, Gerrit Jr.	36.00
Halliday, John R.	30.00
Hanson, Wm. F.	24.00
Jensen, Allen	36.00
Keeler, J. J.	24.00
Madsen, Florence J.	30.00
Madsen, Franklin	30.00
McAllister, J. W.	24.00
Nelson, Elmer E.	24.00
Nelson, Elmer E. (Piano Pedagogy, 6 or more in group) each	10.00
Packard, Hannah C.	24.00
Robertson, LeRoy J.	36.00
Sandberg, Lucille	18.00
Sardoni, Lawrence	24.00
Stubbs, Nila	12.00
Summerhays, Margaret	30.00

VOCAL STUDY IN GROUPS

Halliday, Jepperson-Madsen, Madsen, Summerhays

Two students in a group, \$18.00 each; three in a group, each	12.00
McAllister, Packard	
Two students in a group, \$15.00 each; three in a group, each	12.00

PRIVATE INSTRUCTION IN SPEECH

Morley, Alonzo J.	24.00
Morley, Alonzo J. (Speech correction 3-5 in group) each	12.00
Pardoe, Kathryn B.	25.00
Pardoe, T. Earl	25.00
Ungermann, Ralph	24.00

Fees and costs of instruction and services for special groups under contract with governmental and other agencies are fixed by arrangements.

Any student who has paid for the autumn quarter may change his status from the quarterly to the yearly rate by increasing his fee payments to the full \$96.50 on or before the last school day of the Autumn Quarter.

Any student paying for the full year and withdrawing at the end of the Autumn or Winter Quarter will be charged at the quarter rate and the difference refunded at the time of withdrawal.

Secondary Training School Fees:

Senior High School—10th, 11th, and 12th grades:

Registration fee for the year	\$20.00
Activity fee	3.00
Gymnasium service fee .....	.50

TOTAL FEE for the year\$23.50

Junior High School—7th, 8th, and 9th grades:

Registration fee for the year	\$10.00
Activity fee	2.00
Gymnasium service fee .....	.50

TOTAL FEE for the year\$12.50

Elementary Training School:

Kindergarten to the sixth grade, for the full
year

.....\$10.00

Elementary Training school students who register any-
time during the first semester shall pay the full year's fee.

Those who register during the second semester shall pay \$6.00, which amount includes the late fee.

Secondary Training school students who register anytime during the first semester shall pay the full year's fees. Those who register the second semester in the Junior High School shall pay \$7.50, and in the Senior High School \$13.50, which amounts include the late fees.

Late Fee in Training Schools:

A late fee of \$2.00 will be charged all Junior and Senior high school students who register after the first week.

A late fee of \$1.00 will be charged all Elementary Training school students who register after the first week.

High School Students Taking Some College Classes:

A high school student authorized to register for college subjects shall pay in addition to the high school fees \$2.50 per credit hour, but the maximum charge for the high school and college courses shall not exceed that charged a college student for the same period.

REFUNDS

No refunds will be granted to students who are requested to withdraw from the University because of scholarship or any other cause.

All students when paying fees are given an official receipt by the Treasurer's Office. This receipt and the Activity card must be presented when requesting a refund.

College Students:

All fees except \$5.00 will be refunded to any student in residence in good standing who withdraws during the first week of the quarter.

One-half of all fees paid will be refunded to a student in residence who withdraws during the second or third week of the quarter, but no refunds will be allowed after the third week. In no case will the charge to a regular or special student who registers and withdraws be less than \$5.00.

Refunds will be based on the date on which the student reports his withdrawal to the Registrar.

A student who changes from regular to special status will not be charged for the course dropped during the first week of the quarter, but will be charged one-half of the dif-

ference between regular and special fees if the change is made during the second or third week. No refund will be made after the third week.

Secondary and Elementary Training School Students:

A refund of \$18.50 will be made to any Senior High School student who withdraws during the first or second week of the first semester. A refund of \$10.00 will be made to any student who withdraws after the second and before the end of the first semester, but no refund will be made thereafter.

A refund of \$7.50 will be made to any Junior High School student who withdraws during the first or second week of the first semester. A refund of \$5.00 will be made to any student who withdraws after the second week and before the end of the first semester, but no refund thereafter.

A refund of \$5.00 will be made to any Elementary Training school student who withdraws before the beginning of the Christmas holidays. but no refund thereafter.

Special Services

The Division of Special Services is responsible for the welfare of students in the following areas of university life: Admission and Credits, Athletics, Attendance and Scholarship, Awards, Housing and Dormitories, Health Services, Orientation, The Counseling Service, Petitions, Public Relations and Scholarships, Student Organizations and Social Life, Student Publications, Student Employment, Student Loans, Veterans' Program, and Women's Activities.

Dean Of Students

The Dean of Students is Director of the Special Services of the University. As such and in connection with the Committee on Special Services, he is expected to initiate and recommend to the President needed policies and procedures in student life. It is his responsibility to administer the program recommended or approval by the President in the area of the Special Service.

Counselor For Women

Of special assistance to women students is a Counselor for Women. She is a member of the Committee on Special Services and Chairman of the Committee on Women's Affairs. The Counselor for Women is available throughout each day to assist women students in their personal problems.

Student Health Services

Upon entering Brigham Young University, each regular student shall pay a Health Fee of \$10.00 per annum.

Student Health Fees shall be used by the University for required pre-admission and re-admission examinations; follow-up examinations; health guidance; care of minor illnesses and injuries of ambulatory nature; and such surgery and hospitalization as shall be designated from time to time by the University Committee on Student Health.

Student Housing

Residence halls, providing healthful and congenial living quarters for both men and women students, will be available on a cooperative basis.

Allen Hall for men and Amanda Knight Hall for women provide every modern convenience. All accommodations are furnished, including furniture, bedding and linen. Additional dormitory units are now under construction. Applications to live in any of the school residence halls should be filed with the Chairman of Student Housing, before the opening of school, and should be accompanied by a deposit fee of \$5. If the student decides later not to enter the University, the deposit fee will be returned, provided notification has been given 10 days before the opening of the term.

Through cooperation with the Federal Government the University has made arrangements for additional housing units for veterans. These units will be available at the beginning of the autumn quarter. Other residence halls are now under construction.

Board and room in private homes costs from \$8.00 to \$11.00 per week. By renting rooms and boarding themselves, students are able to reduce considerably the cost of room and board.

If students desiring assistance will call at the office of Student Housing when they arrive in Provo, they will be furnished lists of available living quarters. When students desire to change living quarters, they are expected to call on and notify the Chairman of Student Housing.

The University insists that men and women be housed separately. The boarding houses are inspected to see that accommodations are satisfactory. The University maintains a cafeteria, where students may secure meals at cost.

Discipline

The maintenance of standards of honor, Christian integrity, and Latter-day Saint ideals is required. Within these limits the students are given the fullest freedom. Those who fail to conform to these standards either in personal habits or associations are subject to discipline.

The use of tobacco will not be permitted, and having improper associates or visiting places of questionable repute will

not be tolerated. Any disciplinary announcement made by the executive of the institution becomes a part of these regulations. Violations of regulations make the offender liable to suspension or expulsion.

Regular attendance is required at all recitations, laboratory and field work. The chairman of attendance and scholarship has general supervision of the disciplinary work of the institution. Regular students who are not satisfactorily carrying at least ten hours' work will not be allowed to remain in the institution.

Loan Funds

The lending of the following loan funds is under the supervision of the Committee on Special Services.

The Emmeline B. Wells Relief Society Loan Fund. In honor of Emmeline B. Wells, the General Board of the Relief Society has established a loan fund to assist young women to complete their school work.

Student Loan Fund. The Sophomore class of 1922 established a loan fund to assist students to complete their school work. This fund is augmented each year, the Sophomore class assuming the responsibility for making an annual addition.

Gamma Phi Omicron Loan Fund. The Home Economics Club of the University (Gamma Phi Omicron) has established a loan fund to assist students of the Home Economics department.

Alpha Kappa Psi Loan Fund. The Alpha Kappa Psi has established a loan fund for senior students of the College of Commerce.

Federation of Women's Clubs Loan Fund. The First District Federation of Women's Clubs of Utah has established a loan fund to be lent to the senior girls of the University.

G. Melvin Paulson and Zora Colton Paulson Loan Fund. This loan fund was established by the Christensen Construction Company for the benefit of deserving students in good standing.

Paul Lewis Harding and Lucille Christensen Harding Loan Fund. This loan fund was established by the Christensen Construction Company for the benefit of women students who are in special need of assistance.

Stanley Waldo Christensen and Leah Nebeker Christensen Loan Fund. This loan fund was established by the Christensen Construction Company for deserving students in good standing.

Catherine Dean Christensen Memorial Loan Fund. This loan fund was established by the Christensen Construction Company for deserving students in good standing, preferably girls who intend to enter the teaching profession.

Richard R. Lyman Loan Fund. This revolving permanent loan fund was established by Dr. Richard R. Lyman to assist worthy students.

Utah Stake Relief Society Loan Fund. This fund was established in 1938 by the members of the Utah Stake Relief Society. It is to be used to help needy young women students.

Amy Brown Lyman Relief Society Loan and Scholarship Fund. This Loan and Scholarship Fund, available for young women students, was established in 1943 by the General Board of Relief Society.

Heber J. Grant and Augusta W. Grant Loan Fund. This permanent revolving loan fund was established by President Heber J. Grant in 1943 to assist worthy students.

Maud Rogers Taylor Loan Fund. This loan fund was established in 1943 by Thomas N. Taylor in memory of his wife, Maud Rogers Taylor. It is available for young women students.

David Parish Howells Loan Fund. This fund was established in 1944 by Mrs. Adele Cannon Howells to aid worthy students of the University to continue their education.

Zina Young Card Loan Fund. This loan fund was established in 1945 by Thomas N. Taylor as an expression of his regard for Zina Young Card.

Eliza Nicholls Taylor Loan Fund. This loan fund was established in 1945 by Thomas N. Taylor in memory of his mother, Eliza Nicholls Taylor.

Student Employment

The chairman of Student Employment does everything possible to assist worthy students in finding employment. This includes not only placing students in positions within the University campus, but also assistance in finding part-time employment in off-campus jobs, as well as board and room work for both men and women. Students are not encouraged to attempt to earn their entire way through school, since this ordinarily takes too much time from their studies. (See Scholarships).

Scholarships and Assistantships

Graduate Assistantships. A number of departments of the University employ graduate students on a part-time basis. The remuneration varies according to the nature of the work and the training and experience of the applicant.

Students who secure such appointments are necessarily limited in the number of courses for which they may register.

All correspondence with regard to appointments as graduate assistants should be addressed to the Dean of the Graduate School.

Scholarships to High School Graduates. A scholarship of \$25 is available to a worthy member of each graduating class of a number of designated high schools. It is awarded on the basis of scholarship, character, and potentialities for leadership. Application should be made through the high school principal to the Chairman of the Committee on Scholarships.

Service Scholarships. The University annually grants many Service Scholarships to students capable of assisting departments with stenographic, clerical, laboratory, and other work. These scholarships afford opportunities to earn tuition and fees while acquiring valuable experience and training under supervision of faculty specialists. Application forms may be obtained from the Chairman of the Committee on Student Employment.

Annual Commercial Contest Scholarships. Scholarships are awarded to winners of specified events in the Intermountain Commercial Contest for high school students held at the University each year.

Speech Tournament Scholarships. The University awards two annual scholarships representing one year's tuition and fees to two high school seniors attaining the highest degree of excellence in speech achieved in the Brigham Young University Speech Tournament. Character and scholarship record in the high school will also be considered in making the selection.

The Speech Department awards a quarter's free instruction in private speech to the student attaining highest excellence in dramatic art achieved in the Annual Speech Tournament. This private instruction may be taken from any member of the speech department staff.

Journalism Contest Scholarships. Three scholarships are awarded to winners in the journalism contests held in connection with the Annual Intermountain School Journalists' Conference at the University. Any high school or junior college student in attendance at the Conference is eligible to participate.

Provo Business and Professional Women's Club Scholarship. A scholarship of \$86.50 is awarded annually to a Provo girl who has completed her Freshman year and who is financially deserving. A member of the Business and Professional Women's Club acts with the committee which selects the recipient.

KSL Radio Scholarships. KSL of Salt Lake city annually awards two one-hundred dollar scholarships to pay for tuition and books for attendance the following year at the Brigham Young University. These awards are given to encourage a greater and more professional interest in radio, perfection of the speaking voice, and for radio excellence in vocal and instrumental art. The recipients of the awards are to be selected by the Radio Committee and the Registrar. Actual radio participation will predominate the selections.

Charles E. and Margaret P. Maw Scholarships. Attorney Carlyle E. Maw has made available \$550 for scholarships in Chemistry in honor of his parents, Dr. and Mrs. Charles E. Maw.

KOVO Radio Scholarships. Radio Station KOVO awards annually a scholarship covering full tuition and regular student fees. The recipient of this scholarship is selected by the radio division of the Speech Department.

San Francisco Stake Scholarship. The High Priests' Quo-

rum of San Francisco Stake offers annually a scholarship covering one year's tuition and regular fees for a student selected by the quorum from the San Francisco area.

Awards

Students eligible for these awards must be duly registered and carrying successfully at least ten hours of University work:

Provo Chamber of Commerce Efficiency Award. The Provo Chamber of Commerce presents annually a gold watch to the most efficient student of the University. Efficiency is judged on the basis of scholarship, social status, and public service.

Adams Gold Medal. Mr. and Mrs. Walter Adams present annually a gold medal to the most efficient student being graduated from the Music department whose major instrument is a stringed instrument.

Taylor Gold Medal. Taylor Brothers Company presents annually a gold medal to the most efficient student being graduated from the Music department whose major instrument is the piano.

Alpha Kappa Psi Scholarship Award. Alpha Kappa Psi Fraternity awards annually the Alpha Kappa Psi Scholarship Medallion to the male student of the junior class in commerce who possesses the highest scholastic average for three years' work taken in this University.

Dr. Horace G. Merrill Silver Loving Cup is awarded to the student of the University who shall attain first place in the annual Cross Country Run, held immediately preceding the Thanksgiving recess. Should a student win first place more than twice the cup becomes the property of such student.

Woolley Gold Medal. Miss Mary Woolley presents annually a gold medal to the student giving the best rendition of a dramatic reading.

Stein Gold Medal. Mr. J. Edwin Stein offers annually a gold medal for the most efficient athlete. Efficiency is based upon the participation in athletics, scholarship, and social activity.

R. R. Irvine Medal is presented annually for excellence in oratory, subject to be based upon some economic problem.

Class of 1919 Gold Medal is awarded annually for excellence in vocal art.

Noble Medal. Mrs. Hazel Noble Boyack offers annually a gold medal to the most efficient senior student enrolled in the Home Economics department. The selection of such student will be made by the faculty of the Home Economics department.

The Provo Drama Center, Mask Award. An award of \$25 is given each year for the best one-act play of merit, on a Western or pioneer theme.

Provo Rotary Club Gold Medal. A gold medal is awarded to the winner of an oratorical contest on some subject of international good will.

Studio Guild Medal. A gold medal is awarded annually by the Studio Guild for the best landscape painting done during the school year in any medium. Members of the Art department faculty and the officers of the Studio Guild make the selection.

Dramatic Service Awards. The Dramatic Art Department awards annually a dramatic honor pin to each of three students who have given the most helpful service to the University and to the community during the year.

Egbert Gold Medal. Miss Anna Egbert gives a gold medal for the most efficient debater each year. The award is made in honor of her father, Robert N. Egbert.

Sigma Xi Award. The Society of Sigma Xi of the University awards annually a gold medal for the best piece of research done during the year by any student of the University.

Oscar B. Young Award. An award of \$50 given annually by Professor Kimball Young for the best essay on some phase of Mormon Community Life. The adjudication is under the supervision of the Sociology department.

I. E. Brockbank Award. Isaac E. Brockbank of Provo presents annually a cash award of \$25 for the best production in art in any medium.

Delta Phi Fraternity presents annually a gold medal for excellence in extemporaneous speaking.

Tau Kappa Alpha Fraternity presents two gold medals to the winners of the inter-class debate league.

Phi Chi Theta Scholarship Award. Phi Chi Theta awards annually the Phi Chi Theta Scholarship Key to the woman student of the junior class in commerce who possesses the highest scholastic average for three years' work taken in this University, and who is majoring in this field.

Elsie Chamberlain Carroll Medal. Mrs. Elsie Chamberlain Carroll presents annually a gold medal to the woman student of the University writing the best short story.

J. Marinus Jensen Medal. Professor Jensen presents annually a gold medal to the man student of the University writing the best short story.

Journalism Awards. Omega Nu, journalism fraternity, fosters annual contests in short story, feature article, essay, verse, and news writing. Awards are donated by members of the Journalism Department faculty.

Graham Journalism Award. Howard Graham annually gives a gold medal to be awarded to a student who has done exceptional journalistic service to the University.

Green Journalism Medal. Forace Green, graduate of the B. Y. U. Journalism Department, annually gives a gold medal to the outstanding Journalism graduate.

Sundberg Award. Mrs. Flora Harvey Sundberg awards annually a cash award to the most outstanding student in Religious Education.

Norman G. Berndt Band Medal. Norman G. Berndt of Salt Lake City annually makes an award to the outstanding band member. This award is based on musicianship, service to the University, and scholarship; and the recipient is selected by the Band Director, the Dean of the College of Fine Arts, and the Registrar.

Arch L. Madsen Award. An award is made each year by Arch L. Madsen of Radio KOVO for the most competent student in advertising. The recipient is selected by members of the faculty of the College of Commerce and the staff of KOVO. Service to the University, ability to write advertising copy, and scholarship are bases for selection.

Alumni Award. The Salt Lake City B. Y. U. Dancing Club annually awards a life membership valued at \$25 to the valedictorian of the graduating class.

Utah Tax Payers' Association Award. The Utah Tax Pay-

ers' Association annually grants an award of \$100 to some student to aid in conducting a study in public finance.

Charles E. Maw Award. An annual award given by an anonymous graduate who wishes to express his appreciation to Dr. Maw and the Department of Chemistry. This award consists of a membership in the American Chemical Society and a year's subscription to Chemical Abstracts. Based on character, scholarship, and activity in the Department.

Gerald B. Barton Award. Membership in the American Chemical Society is given annually by Gerald B. Barton to an outstanding student in chemistry, selected by Chemistry faculty and the Registrar.

Mask Club Award. An award of \$25 is given annually to the junior or senior of the Speech Department attaining the highest average in scholarship and excellence in Speech Arts. This award is given upon registration the following school year. The Dean of the College of Fine Arts and members of the speech faculty make the selection.

Harrison R. Merrill-Utah Magazine Awards. To honor the memory of the late Professor Harrison R. Merrill, the Utah Magazine annually offers three awards of \$25 each to be awarded to seniors of Utah high schools who write the best short stories on Western themes. Adjudication is by the Journalism Department faculty.

Margaret Vilate Elliott Award in Home Economics. Miss Elliott offers annually a cash award of \$50 to the student in Home Economics designated for the award by the faculty of that department.

Gamma Phi Omicron Sorority Award. The Gamma Phi Omicron offers annually a cash award of \$50.00 to the lower division student in Home Economics selected for the award by the faculty of that department. This cash award is to be applied on the student's tuition for the following school year.

Sears Roebuck Award. A cash award of fifty dollars is given annually by the Provo management of Sears Roebuck & Company to an outstanding upper division major in Commerce. Selection is to be made by members of the department of Commerce.

American Association of University of Women Award. The local chapter of this national organization offers annually a cash award of \$75 to the outstanding junior girl. This award

is to be applied on the student's tuition for the following school year.

Endowments

The Jesse Knight Endowment Fund. On December 21, 1914, the late Jesse Knight made an endowment to the University of one hundred thousand dollars in six per cent bonds. The interest payments on these bonds, together with the payments on bonds which have matured, have been placed at interest, and the cash credit on this account now represents approximately twice the amount of the original endowment.

The Brigham Young University Permanent Endowment Fund. June 4, 1929, the B. Y. U. Associated Alumni initiated a permanent endowment fund for the University. Some very generous contributions and subscriptions were made at this alumni reunion, and the work of building such an endowment has been carried forward by the alumni and school officials with very gratifying results. Members of graduating classes since that time have shown a remarkably loyal spirit by subscribing to this fund.

Research Funds. The University is in possession of a number of research funds which make possible scientific investigation in several specific fields.

Education For Veterans

The University provides a rich educational offering for men returned from the armed forces. A unit of the Special Services is devoted to the welfare of veterans.

Student Organization

Student Organization is designed to offer students maximum opportunity for training in leadership and self government and to promote participation in professional, academic, and scholastic association, and to provide a well balanced social and cultural program for the entire student body. In order to

coordinate the activities of the many organizations, to eliminate duplication of effort, and to lend continuity from year to year, all student organizations are supervised by the Dean of Students through the office of the Coordinator of Student Organizations.

To hold office in any student organization or to participate as an active member of any social organization, a student must show for the previous grade period at least 12 hours of academic work with above "C" (1.1) grade average with no more than 5 hours of "D" grade. In exceptional cases, where the best interest of the student would be served, this requirement may be modified by the faculty Committee on Special Services. Membership in service, departmental and professional, and religious organizations will be governed by eligibility regulations set up by such organizations.

General Student Organizations

Associated Students. This organization is composed of all students who attend Brigham Young University, and is presided over by officers elected by them. It seeks to develop interest on the part of every student in all those activities which contribute to a more democratic "Y" spirit, and to provide opportunities for all students to participate in a well-rounded extra-curricular program. Through this organization, student traditions are kept alive. All interclass and intercollegiate activities are encouraged and unified by this organization. Social, forensic, dramatic, and music activities are fostered under its management and through it the students publish student periodicals; the "Y" News (weekly); and the University yearbook, the "Banyan." The organization also functions as an auxiliary of university discipline.

Class Organizations. Members of the four classes and the graduate school are organized for the purpose of developing common interests and class spirit as the class proceeds through the university and into the Alumni Association. Meetings of the classes are held periodically with a limited number of social functions planned by class officers under the direction of the Student Body Council.

Associated Men. All men students registered are members of the Associated Men. The organization is designed to promote specific interests of "Y" men and to foster a wholesome

masculine atmosphere on the campus. The executive council, consisting of three student leaders and a faculty counselor, supplemented by the twelve members of the "Y" men's council, forms the governing group.

Associated Women. This is an organization comprising all women registered in the University. Its purpose is to aid and foster all women's activities. This organization is advised by the Counselor for Women and is a member of the Western Division of the National Organization of Associated Women Students, which includes practically all of the universities and colleges in the United States.

Council of Student Organizations. This council works under the direction of the officers of the Associated Students and the Coordinator of Student Organizations. It is composed of representatives from the various organizational groups; for example, social, service, class, departmental, professional, and religious. The President of the Associated Students, or his representative, presides over this council at its regular meetings. Since all student organizations are represented on this council, it becomes the ultimate student coordinating body for student organizations.

Service Organizations

White Key. Women's honorary organization installed on the campus in 1933. Membership consists of girls outstanding in scholarship, initiative, and ability to serve. Its purpose is to foster university activities of merit and to render service to the associated students.

Blue Key. The Blue Key national honorary leadership fraternity was chartered at the Brigham Young University in the Spring of 1932. Its purpose is to foster Student Body projects of merit which cannot well be handled by any other organization. It is an upper-classmen organization, the membership of which is fixed at from twelve to twenty active members.

Intercollegiate Knights. National Underclassman's Service Fraternity. It is designed to promote and foster fellowship, school activities and traditions, as well as inter-school friendship. Special duties include the lighting of the "Y" on the mountain, from which it derives the name of the Gold "Y"

Chapter, sponsoring rallies, contests, and meets. Membership is based on activity and scholarship.

Y Calcares. A service organization for Sophomore girls. Membership may include Freshman girls of each spring quarter who have outstanding qualifications in scholarship, participation in school activities, and interest in the school affairs. Works with other service organizations on the campus.

Social Organizations

The University recognizes proper social development as one of the important products of college training. To provide for this type of experience, various social organizations are encouraged on the campus. It is expected that the spirit and ideals of the University will be fostered and that a democratic spirit will prevail in all social activities.

Social Units. Men's and women's social units accept as members the maximum number of students compatible with the idea of close friendship and congenial activity, founded on a common social interest. Supervision and assistance are furnished the units by faculty sponsors chosen by the units and acting in conjunction with the Coordinator of Student Affairs. The Inter-Social Unit Council, made up of representatives from each Social Unit, has directive power over the internal affairs of each unit and has the responsibility of promoting wholesome social activity and maintaining the high standard of the University among groups under its jurisdiction.

Lambda Delta Sigma. Lambda Delta Sigma is a national organization of students which has as its objective the fostering of religious, cultural, intellectual, and social ideals. It is sponsored by the Church Department of Education and at present extends to sixteen Western colleges. Its membership is open to all college students who desire to maintain Latter-day Saint standards of living. It is directed by an executive council through which all chapters operate. This fraternity is very active on the "Y" campus, with eleven chapters now functioning.

Geographical Clubs. These clubs are organized to further social enjoyment and acquaintance among students from the same localities. They are particularly helpful to students during the early quarters of school before these students have found their way into the other social life of the campus. Such clubs are also helpful in maintaining a close bond of interest between the student and his home.

Departmental and Professional Organizations

The University encourages organizations which have the specific purpose of bringing together persons of similar scholastic and professional interests and of rendering their work more pleasurable and profitable. Each group fosters the activities of the department to which it is allied. Eligibility requirements are those of departmental affiliation and general scholarship as determined by the individual organizations. Fees are reduced to a minimum. Each organization has a faculty adviser.

Sigma Sigma Alpha. This organization is open to students of scientific agriculture who maintain high scholastic standing, the purpose being to meet and receive instruction from men who have succeeded practically and scientifically in the agricultural work of the state. Social functions in conjunction with the Home Economics department are featured during the year.

David Starr Jordan Biology Club. This club aims to develop interests in all forms of biological study and has, for its major project, the building of a library of natural science literature. Some 500 volumes have been collected by club members. The increasing animal and plant collections of the department and the laboratory at Utah lake, offer interesting materials for new students. Besides resident students, the membership includes faculty members, alumni and prominent townspeople.

Drama League. The purpose of this league is to foster the art of reading and dramatics, to appreciate paintings and music, and to give opportunity to its members to hear lectures and readings from the best talent of the state as well as from performers who are on the lecture platform and the stage. The society meets weekly. It is affiliated with the Drama League of America.

Foreign Language Clubs. Teachers and students interested in the study of French, Spanish, German, Portuguese, or Latin are organized into clubs. These clubs meet twice a month and enjoy programs of songs, talks, reports, games, etc., in which the foreign languages are the medium of speech. Membership is open not only to students but also to all people within easy reach of the University who have studied or are studying the modern languages. Membership privileges are

especially extended to people of the community of French, German, Spanish, or Spanish-American birth.

Gamma Phi Omicron. (Home Economics.) An organization of the advanced students majoring in some phase of Home Economics. Its purpose is to develop culture and scholarship among its members, and to lend its aid in establishing better homes and community life.

Home Economics Club. The club is intended to create a professional spirit among students of Home Economics. Regular meetings are held at which interesting lectures are given. Special activities are fostered. All girls registered in Home Economic courses are eligible for membership.

Graduate Club. This club is an organization of the students of the University who are pursuing graduate study. The purpose of the organization "shall be to foster fellowship among its members; to stimulate a desire for higher learning; to assist in finding and developing leadership in the communities; and to use every effort to enhance the interests of Brigham Young University." A student becomes a member automatically upon registration in the graduate school.

Literary Club. The purpose of this organization is to develop greater appreciation of good literature and to give opportunity for practice in oral and written expression. Carefully prepared lectures on literary topics and dramatic readings will be given by advanced students, members of the English faculty, and others.

"Y" Psychological Society. An organization to foster a better understanding of scientific psychology, and to supplement the regular courses of the department by affording the opportunity of discussing certain current problems by advanced students and outside speakers.

Studio Guild. This organization is for the benefit of students having special talent in any particular phase of fine art and applied art. Lectures on practical topics in connection with arts and crafts are given by members of the faculty and other recognized educators. Exhibitions of artists' and of craftsmen's work are held under the auspices of this organization.

The "Y" Chemical Society. An organization consisting of students interested in the field of chemistry. Meetings are held every alternate week, at which time lectures dealing with the outstanding problems in chemistry, or material intimately connected with this field are given by authorities on the specific

subjects. Various excursions to the outstanding institutions of scientific value and interest in the state are sponsored.

International Relations Club. The purpose of this club is to stimulate interest in a clearer understanding of international problems and to develop a spirit of world helpfulness and peace. The club is sponsored by the Carnegie Endowment for International Peace. It is under the general supervision of the Department of Political Science.

Omega Nu. The Omega Nu honorary journalism fraternity was founded in the autumn of 1935 to stimulate interest in journalism and to promote higher standards in the field.

Theta Alpha Phi. National professional dramatic fraternity. Co-educational. The Utah Beta Chapter was installed at this institution in 1924. The purpose is to foster artistic achievement in all of the arts and crafts of the theatre.

Alpha Kappa Psi. (Beta Delta Chapter.) A professional commerce fraternity, the purpose of which is to foster studies in commerce, encourage scholarship and association between members and the commercial world. Male College of Commerce students are eligible for membership.

Beta Beta Beta. (Phi Chapter.) Installed January 31, 1931. An international honorary biological fraternity, which emphasizes a three-fold program: Sound scholarship; dissemination of scientific knowledge; and promptness of biological research. All junior and senior students having twenty-four hours of biological credit are eligible for membership.

Phi Delta Pi. Women's National professional physical education fraternity. Xi Chapter installed November 21, 1931. Its purpose is to stimulate professional and scholastic interest in physical education.

Sigma Pi Sigma. A national honorary Physics Society with the following objectives: (1) to stimulate high scholarship, (2) to create an interest in research and the advanced study of physics, and (3) to encourage friendship among the majors in the department. Installed May 2, 1936.

Tau Kappa Alpha. Honorary national debating fraternity. Those who engage in inter-collegiate debating and oratory or who attain marked distinction in forensic activity are eligible to membership.

Phi Chi Theta. (Psi Chapter.) Installed March 12, 1938, A women's national professional fraternity. The purposes and

objectives for which this fraternity is organized are to promote the cause of higher business education and training for women, to foster higher ideals for women in business careers, and to encourage fraternal cooperation among women preparing for such careers.

Religious Organizations

Delta Phi. A national honor fraternity whose membership on the "Y" campus is elected from those who have served as missionaries for more than six months. Its purpose is to foster spiritual activity, high ideals, fellowship and sociability. Regular programs and lunches are conducted during the school year at which men of the Church and state are the principal speakers. The "Y" chapter is associated with like chapters at the Utah State Agricultural College and the University of Utah.

Theta Sigma Rho. An honorary fraternity for returned women missionaries on the "Y" campus. Its purpose is to provide an opportunity for association of women missionaries in cultural, spiritual, and social activities, thereby maintaining the missionary spirit.

Many interesting and worthwhile activities are carried on during the school year.

Non-Student Organizations

B. Y. U. Women. The purpose of this organization is to foster the ideals of the institution and to help furnish recreation and social amusement for the faculty. A woman is eligible for membership in this organization and becomes a member on payment of dues provided that at the time she seeks admission she is either: (1) a present faculty member (a faculty member is one who holds at least the rank of instructor); (2) a past faculty member; (3) a matron; (4) a board member, (5) the wife of a faculty member who has died in the service of the school; (6) the wife of a present faculty or board member.

Faculty Fine Arts Club. This club is organized to develop and maintain a closer cooperation among the members of the fine arts faculty; to increase the appreciation of each member for all arts; to keep the members aware of what is going on in the various fields of fine arts; and to encourage among the members original creations in music, literature, painting, etc.

Alumni Association

The B. Y. U. Alumni Association was organized in 1893. The purpose of the organization is to promote the highest interests of the Institution and a closer fellowship between alumni and students. The constitution provides that, "anyone who has successfully completed one quarter at B. Y. U. may become an active member by paying his annual dues of \$2 or Life Membership of \$25." Life memberships may be paid in installments of \$5 per year for five years. Combined life memberships for husband and wife are \$35 and may be paid in installments of \$7 per year. Alumni local chapters are functioning in various parts of Utah and in other states.

Beginning with the class of '38, all graduates receive a certificate of membership into the B. Y. U. Alumni Association with dues paid for the first year out of school. They are active members and receive all advantages as active members.

Six of the twelve Board of Directors are elected each year at the Annual Alumni Banquet held during Commencement Week. The president, vice-president, treasurer, and recording secretary are appointed each year by the active board of directors.

In 1938 a permanent general secretary of the Association was appointed to serve as a medium of communication between the University and the alumni and to get students thinking "alumni." This position is now held by Franklin R. Haymore.

Religious Opportunities

Brigham Young University students have excellent opportunities for participation in religious activities. Among the organizations which make this possible are the following:

University Assemblies. Instructive programs are offered at regular assembly periods each week during the year.

University Sunday School. This organization convenes every Sunday morning during the school year. Its purpose is to give opportunity for worship and Sunday School experience,

and training for Church leadership. It is intended primarily for students of the University who are away from their home wards. The Sunday School is officered by students. Teachers are selected from the University Faculty.

Church Services. The various wards in Provo welcome students to their regular Sunday Services.

Sunday Evenings in the Joseph Smith Building. The Division of Religion sponsors a program of activities each Sunday evening at 8:30 o'clock. The program consists of: Firesides; Discussion Groups; Reviews of Latter-Day Saint Church books; Music Appreciation; Study of Latter-Day Saint Missions. All students are invited.

Lyceum Course

For more than a half century the University has brought to its students distinguished men and women in arts and letters. During the past year the following appeared:

Carlos Alexander (Summer)	Baritone
One concert and one appearance with Frances Watkins	
Ellen Ballon (two concerts)	Pianist
Margaret Culking Banning	Author
Bartlett and Robertson	Duo Pianists
Roy E. Bendell	Lecturer
Bruce Bliven	Editor and Author
B. Y. U. Symphony with Andor Foldes	Pianist
Britt Trio	Britt, Wasterlain, Held
Columbia Opera Quartet	(Benzell, Olheim, Horne, Baker)
Hawthorne Daniel	Author and Editor
Jerome Davis	Author
Leon H. Ellis	Author
Carl Fuerstner (Summer, two concerts)	Pianist
Harrison Forman	Author and Reporter
Rabbi Joseph Gitin	Lecturer
Hart House Quartet (three concerts)....	Levey, Milligan, Glyde, Hambourg)
Harry Hibschan	Author
Langston Hughes	Poet
Martha Lipton.....	Contralto, Metropolitan Opera Association
*Lathrop Welland	Dancer

Lener Quartet	Lener, Weiser, Harsanyi, Deri
Witold Malcuzyński	Pianist
Alexander McCurdy and Flora Greenwood....	Organist & Harpist
Carey McWilliams	Author
Alfred Mirovitch	Pianist
Zara Nelsova (two concerts)	Cellist
**The Philadelphia Orchestra under Eugene Ormandy, Conductor	
Egon Petri (two concerts)	Pianist
Sullivan C. Richardson	Reporter and Traveler
Roth Quartet .....(Feri Roth, Smilovits, Sandor Roth, Hartman)	
Cornelia Stabler	Monologist
Eleanor Steber	Soprano, Metropolitan Opera Association
Isaac Stern	Violinist
Edwin Strawbridge and Dance Group	
Helen Traubel	Soprano, Metropolitan Opera Association
Frances Watkins	Soprano
Frederick Taylor Wilson	Author
Edith Wynnner	Author and Lecturer
General Victor Yakhontoff	Lecturer

*Sponsored by Physical Education Department

**Sponsored by Union Building Fund.

Library, Collections, Laboratories

Library

The University Library contains more than 138,500 volumes and 50,000 pamphlets and bulletins. These publications cover all phases of human interest and offer opportunity to make intensive studies in almost any field of the sciences, or arts. The library has for years been a Government Depository to receive all Government documents. These documents are all well classified and indexed. Besides the Government Documents the Library has nearly a complete set of all agricultural experiment station literature from every state in the Union. It regularly receives important state documents on education, history, politics, and various other topics as they are issued by the different states, and is on the publication exchange lists of many of the colleges and universities of the United States and elsewhere. The Carnegie Institution of Washington, the Carnegie Peace Foundation, the Rockefeller Foundation, the General Education Board, the American Council on Education, the Milbank Memorial Fund, the Bell Telephone Laboratories, and several of the large business organizations, all supply technical and informative literature. The Library subscribes for such technical journals and magazines as are essential to a thorough college education, and it maintains its own book bindery.

Each year the Library strengthens itself along specialized lines through contributions of books to its special collections, of which the following are now being rapidly augmented:

B. Y. U. Women (Memorial) Collection—General.
Brimhall Collection—Theology.
Bennion Collection—Biography.
Cannon Collection—General.
C. H. Carroll—Medical.
Chamberlain (Wm. H.) Collection—Philosophy.
Egbert Collection—Music.
Harris Collection—Mexico.
Heber J. Grant—General.
Henning Collection—Archaeology.
Hinckley Collection—Geology.
International Relations Club—International Questions.
Ivins Collection—The American Indian.
Christen Jensen Collection—Political Science.
Jex Collection—General.

Jordan Club Collection—Biology.
Lund Collection—Music.
McKay Collection—Education.
Mask Club Collection—Dramatics.
Nelke Collection—General Literature.
Reynolds Collection—Literature.
Smith (F. W.) Collection—Chemistry.
Sorosio Club Collection (Memorial)—General.
Spilsbury Collection—Home Economics.
Talmage Collection—Science and Religion.
Utah and Provo Stakes Collection—Genealogy.
Whitaker Collection—Foreign Languages.
Whitecotton Collection—Literature.
Widtsoe Collection—Agriculture.

The Library is open each school day during the regular school year from 8 A. M. until 10 P. M.; on Saturdays from 10 A. M. until 4 P. M.; and during the Summer Session from 7:30 A. M. until 9 P. M.

Departmental Libraries

Several of the departments have made collections which range from a few dozen to several thousands of books and pamphlets which are used to supplement laboratory and class work. Most of the books in the department libraries are not included in the enumeration given above for the main Library.

Scientific and Art Collections

The Zoological and Entomological Collections of the University consist of a large series of identified vertebrate and invertebrate species of Utah and contiguous states. A complete series of fish, amphibians, reptiles, birds and mammals of this region are to be found in the collection. The fish collection is especially rich in species and specimens from the Intermountain Region. The bird collection consists of about 4,500 skins, 1,000 of which were collected in the Magdalena River Valley of South America by Chester Van Buren in 1901-03.

The Entomological collections consist of 260,000 specimens. The Tom Spaulding Collection of Utah Lepidoptera, the Chester Van Buren Collection of South American Butterflies, the Charles W. Leng Weevil Collection, the Charles Schaeffer Weevil Collection, and many species of weevils from the Blatchley Collection form important portions of this collection.

These collection are being added to annually by means of collection expeditions that are sent out to various parts of the Western United States. During 1944-45 fifteen hundred specimens of reptiles and twenty-five thousand specimens of insects were received from staff members and former students who are on duty in the South Pacific.

The Botanical Collection includes a herbarium of liverworts, mosses and vascular plants; and also an extensive series of preserved algae, fungi, liverworts, mosses, ferns, and seed plants. There is also included a series of plants which illustrate various plant diseases.

The herbarium is made up principally of plants collected throughout the Western States, but many species from other regions are included. The collection of North American plants includes 170 families, 1,000 genera, and 3,500 species, represented by about 20,000 herbarium sheets. There is also a collection of plants from Siberia, obtained by President F. S. Harris in 1929, as well as a small group of plants from Europe and from South America.

The Geological Collections of the University consist of an unusually complete series of minerals and an interesting variety of fossils.

The minerals number many thousands and are representative of the great western mining districts together with hundreds of localities of note. Part of this collection once represented the nucleus of the famous Deseret Museum collection of Salt Lake City.

The fossil series are representative of many states and typical world localities. Much of this material was also formerly a part of the Deseret Museum collection. The vertebrate collection is especially rich in original fossils and casts of the characteristic mammalian fauna that lived in the Western states during the immediate geologic past.

The Archaeological Collection includes a number of well prepared case exhibits of Utah Indian materials, including pottery, basketry, stone implements, wearing apparel and picture writings. It also includes a number of South Pacific Islands collections, together with what is thought to be the finest South American collection of Indian pottery in the West.

The Fine Arts Collection of paintings, sculpture, drawings, etchings, engravings, monotypes, lithographs, and reproductions of works of art are as follows:

I. Memorial Collections.

1. The Lee Greene Richards Collection of 36 paintings.
 2. The James T. Harwood Collection of 90 paintings, etchings, and drawings.
 3. The John Hafen Collection of 24 paintings.
 4. The Elbert H. Eastmond Collection of 64 paintings.
 5. The John Willard Clawson Collection of 85 paintings and sketches.
 6. The Maynard Dixon Collection of 85 paintings, and sketches.
 7. The Edwin Evans Collection of 61 paintings.
 8. The Rose Hartwell Collection of 71 paintings.
 9. The Rose Hartwell Crafts Collection.
 10. The Joseph Imhof Collection of lithographs.
- II. There are many other Utah artists represented in the Brigham Young University Fine Arts Collection, including George M. Ottinger, Daniel Weggeland, John Hafen, Loris Pratt, John B. Fairbanks, Samuel Jepsen, Minerva Teichert, Alma Wright, Waldo Midgley, Calvin Fletcher, Cornelius Salisbury, Joseph Everett, Henri Moser, Torlief Knaphus, Avard Fairbanks, Henry Rasmussen, etc., etc.
- III. Well known national artists represented in the collection include Lee Randolph, George Elmer Browne, Fern Gary, Gordon Grant, Marie A. Hull, Haley Lever, Clarence Millet, Luis F. Mora, Chauncey F. Ryder, Matteo Sandona, W. Lester Stevens, Anthony Thieme, John Law Walker, J. Alden Weir, John Whorf, Elliot Daingerfield, George Pierce Ennis, John E. Costigan, George Henry Taggart, William Morris, Jon Corbino, J. Connaway, Robert Brackman, Peter Hurd, Marguerite Pearson, Henry W. Ranger, John Twachtman, John F. Carlson, Gene Kloss.
- IV. Original etchings, lithographs, prints, including the work of Ernest Fiene, Rockwell Kent, Joe Jones, Reginald Marsh, Waldo Pierce and Herbert Dunton and 24 Rembrandt replicas.
- V. Oriental art including Japanese paintings, prints, and reproductions.
- VI. Reproductions of famous works of art including various types of modern art.
- VII. Large collections of slides including natural color slides and the George K. Lewis memorial collection of kodachrome slides.

College of Applied Science

THOMAS L. MARTIN, DEAN

The aim of the College of Applied Science is to provide instruction in the scientific principles and technical operations pertaining to the farm, the home, the shop, and the professions, trades, and industries related to the same. Students may specialize in any one of the many fields of applied science and prepare for capable leadership and efficient service in their chosen lines.

The degrees, Bachelor of Science and Bachelor of Arts, are given to graduates of this College.

Majors may be selected from the following departments in the College of Applied Science: Agronomy, Animal Husbandry, Bacteriology, Horticulture and Landscape Architecture, Mechanic Arts, Home Economics.

The following courses, or their equivalents, fulfill the minimum requirements for a teaching major in home economics and also the requirements for a Utah State Vocational Home Economics Certificate:

Clothing and Textiles 1, 2, 15, 55, 68	15 hrs.
Foods and Nutrition 5, 10, 11, 12, 50	17 hrs.
Household Administration 10, 60, 61, 62, 63, 64, 80, 81	21 hrs.
Total.....	53 hrs.

The balance of credit making a minimum total of 60 hours is to be elected from the following courses: Clothing and Textiles 10, 62, 56; Foods and Nutrition 15, 53, 54; Household Administration 65, 82, 60b.

It is advised that whenever possible students elect to fulfill more than minimum requirements.

SUMMARY OF REQUIREMENTS FOR A TEACHING

MAJOR IN AGRICULTURE

Agronomy 21, 22, 41, 57.
Animal Husbandry, 1, 7, 9, 21.
Horticulture 1, 3.
Landscape Architecture 13, 24.

A teaching minor in Biological Science, Physical Science, or Mechanic Arts should accompany a teaching major in Agriculture. The following courses are suggested:

Botany 1, 2, 3, 5, 60; Bacteriology 21, 22.

Zoology 11, 18, 30, 77; Chemistry 21, 22; Physics 11.

Geology 1; Mechanics 1, 2, 6, 7, 11; Drawing 3, 4.

Engineering 1, 3.

Education requirements for the certificate are as listed by the College of Education.

It is recommended that those in this college who expect to fill the requirements for teaching with a major in Agriculture, should include in the Social Science group, Agricultural Economics 60, and should also maintain close contact with the College of Education as well as with the major departments concerned.

It is further recommended that this be accomplished by registering in the College of Education.

Departments Of Instruction

Agronomy

Professors Martin, Harrison, Stewart, Nicholes; Associate Professor Anderson; Assistant Professor Wallace.

Students interested in the range management phase of forestry are advised to take the following courses:

Botany 1, 3, 60, 70, 80; Agronomy 21, 23, 41, 57, 73; Animal Husbandry 4, 5; Horticulture 3, 40; Landscape Architecture 20; Zoology 11, 30, 57; Surveying 1.

Lower Division Courses

21. General Crops. Winter. M. W. F., 10:00. Three credit hours. Wallace.

This course will deal with the fundamental principles underlying the production of crops. Selection, grading, judging and methods of protection will be studied.

22. General Crops Laboratory. Winter. M. W., 2:00-5:00. Two credit hours. Wallace.

Designed to accompany 21 as a laboratory course.

- 23. Range Forage Crops.** Spring. M. W. F., 9:00. Three credit hours. Harrison.

Native and cultivated grasses and other plants useful as forage are treated from the standpoint of their systematic classification, ecology, distribution, and relative value. Prerequisite: Botany 3.

- 40. Weeds.** Autumn. T. Th., 2:00. Three credit hours. Staff. (See Horticulture 40.)

- 41. Elementary Soils.** Autumn. T. Th., 8:00; Lab., Th., 3:00 to 5:00. Three credit hours. Martin.

A review of the physical, chemical, and microbiological phase of soil study with emphasis on soil physics.

- 42. Irrigation and Drainage.** Spring. M. W. F., 11:00. Three credit hours. Anderson.

A study of factors associated with proper use of irrigation water; irrigation water supply; water measurements; drainage in relation to irrigation practices; drainage and alkali; drainage systems.

Upper Division Courses

- 53. Chemical Analysis.** Winter. T. Th., 1:00-4:00. Three credit hours. Martin. (See Chemistry 55.)

- 54. Soil Chemistry.** Spring. M. W. F., 8:00. Three credit hours. Nicholes. (See Chemistry 54.)

- 55. Soil Fertility.** Winter. M. W. F., 8:00. Three credit hours. Martin.

This course involves a study of the underlying principles of soil fertility. Soil alkali, soil chemical analysis, commercial fertilizers, farm manures, green manures, crop rotations are among the topics studied.

- 57. Soil Classification and Survey.** Spring. T. Th., 8:00. Three credit hours. Martin. (Lab. M. 1:00-3:00) (See Geology 57.)

A study is made of the influence of geologic forces and climatic environment on soil development, classification of soils based upon soil profile characteristics, and methods of soil survey. Prerequisites: Agronomy 41, Geology 2, Surveying 1.

58. **Seed Analysis.** Winter. Three credit hours. (See Horticulture 58.)
59. **Plant Genetics.** Winter. M. W. F., 9:00 Three credit hours. (See Horticulture 59.)
60. **Farm Management.** Winter. M. W. F. 1:00. Three credit hours. Staff. (See Horticulture 60).

This course takes up the general consideration of farm management; types of farming, farm layout, farm capital, equipment, labor, tenancy, etc.

61. **Conservation and Land Utilization.** Spring. M. W. F., 11:00. Three credit hours. (See Geography 61.)
62. **Biometry.** (See Horticulture 62.)
70. **Plant Pathology.** (See Botany 70.)

73. **Range Management.** Three credit hours. Spring. M. W. F., 10:00. Staff. (Not given this year.)

The management of range land will be studied with respect to soil erosion, flood, watershed, forage and timber production, and livestock grazing. Prerequisites: Botany 1, 3, or permission of instructor.

75. **Geography of Agriculture.** Three to six credit hours in proportion to amount of work done. Stewart and Martin.

A course dealing with the location and nature of agricultural development, including grazing, as determined by climate, topography, soil, water supply, transportation, markets, and other geographic influences.

91. **Conservation of Plant and Soil Resources.** Four credit hours. Stewart. Time to be arranged. Extra credit for additional work may be obtained.

This course consists of a study of the conservation problems related to water, soil, range, and forest and their influence on farm and community stabilization.

92. **Soil Microbiology.** Spring M. W. F. 8:00; Lab. W. F., 1:00-3:00. Five credit hours. Martin.

A lecture and laboratory course designed to acquaint the student with bacteria in relation to soil fertility. Prerequisites: Bacteriology 21, 22; Agronomy 41, 52, 55 and Chemistry 10, 11.

- 96 **Seminar** Autumn, Winter, or Spring Th., 12:00. One credit hour. Martin.

Current agronomic literature, agricultural problems. Assigned topics will be considered in the form of a round table discussion. Required of all seniors and graduate students majoring in agronomy.

- 97. **Research.** Seniors specializing in agronomy elect research work from three to six hours. Time and credit to be arranged. Martin, Anderson, and Stewart.
- 98. **Special Problems.** Spring. Credit and subject matter to be arranged. Martin, Anderson, and Stewart.

Graduate Courses

- 123. **Advanced Range Management.** Time and credit to be arranged. Stewart.
- 154. **Conservation and Land Utilization.** Spring. Three credit hours.
- 157. **Soil Classification.** Three credit hours. Martin.
- 175. **Geography of Agriculture.** Time and credit to be arranged.
- 191. **Conservation of Plant and Soil Resources.** Four credit hours. Stewart. (Not given this year.)
- 192. **Soil Microbiology.** Autumn. Three credit hours. Martin.
- 193. **Soil Microbiology Laboratory.** Autumn. Two credit hours. Martin.
- 196. **Seminar.** Credit to be arranged.
- 197. **Research.** Time and credit to be arranged.
- 198. **Special Problems in Soils.** Time and credit to be arranged.
- 199. **Agricultural Literature.** Time and credit to be arranged.
- 200. **Thesis.** Credit to be arranged.

Animal Husbandry

Professor Ivins; Assistant Professor Richards.

Lower Division Courses

1. **Elementary Stock Judging.** Spring. M. W. 1:00-4:00. Three credit hours. Richards.

This course consists of a study of the market types and classes of livestock. B.Y.U. animals will be used and field trips will be made to farms of the county where practice in selecting and judging of animals will be given.

4. **Beef Production.** Autumn and Winter M. W. F., 11:00. Laboratory Wednesday 1:00-4:00. Four credit hours. Richards.

This course takes up the breeding, feeding and management of range cattle, feeder cattle, and purebreds.

5. **Sheep Production.** Spring. M. W. F., 9:00. Three credit hours. Richards.

Types and breeds of sheep will be reviewed, followed by a study of the management, care, and feeding of sheep, both on the range and on the farm.

6. **Swine Husbandry.** Winter. T. Th., 8:00. Two credit hours. Richards.

Breeding, feeding, and management of swine, and their place on western farms.

7. **Feeding Farm Animals.** Autumn. M. W. F., 10:00. Three credit hours. Richards.

A study of the chemical composition of feeds, the needs of the animal body, the compounding of rations and practical methods in feeding.

8. **General Poultry.** Winter. M. W. F., 10:00. Three credit hours. Richards.

A study of breeding, incubating, brooding, housing, feeding, and marketing of poultry.

9. **Diseases of Farm Animals.** Spring. M. W. F., 11:00. Three credit hours. Richards. (Not given this year.)

A study of the anatomy of farm animals; the common diseases of cattle, sheep, hogs, horses, and poultry and of their causes, prevention, and treatment.

21. **Elements of Dairying.** Autumn, Winter. M. T. W. F., 9:00 Laboratory, Th., 1:00-4:00. Five credit hours. Richards.

A general survey of dairying and its relation to Utah agriculture; breeding, feeding, and management of dairy cows.

Upper Division Courses

50. **Horse Husbandry.** Spring. T. Th., 9:00. Two credit hours. Richards.

A brief study of breeds of horses. Discussion of problems of feeding and management, with special emphasis on the care and training of the cow-pony and the American saddle horse. The Agriculture Club will sponsor a horse show during spring quarter. It will give students a chance to participate and work with horses.

51. **Animal Breeding.** Spring. M. W. F., 9:00. Three credit hours. Richards.

Principles, practices, and methods involved in the breeding and development of domesticated animals. Mendelism in animals, transmission, heredity, value of pedigree, systems of breeding, etc.

52. **Fitting and Showing of Livestock.** Spring. T., 1:00-4:00. One credit hour. Richards.

This is a practical class designed to give experience and practice in the actual fitting and showing of livestock. Each student will be assigned to an animal to fit and show for the livestock exhibit in connection with the spring horse show.

54. **Beef Production Problems.** Autumn, Winter. M. W. F., 11:00. Four credit hours. Laboratory, Wednesday 1:00-4:00. Richards.

An advanced course dealing with problems in beef production.

55. **Sheep Production Problems.** Spring. M. W. F., 9:00. Three credit hours. Richards.

An advanced course dealing with problems of farm and range sheep production.

56. **Swine Husbandry Problems.** Winter. T. Th., 8:00. Two credit hours. Richards.

An advanced course dealing with problems in pork production.

57. Animal Nutrition. Winter. M. W. F., 1:00. Three credit hours. Richards. (Not given this year.)

71. Advanced Dairying. Autumn, Winter. M. T. W. F., 9:00. Lab., Th., 1:00-4:00. Five credit hours. Richards.

An advanced course dealing with problems in dairying.

82. Animal Husbandry Research. Time and credit to be arranged.

92. Dairy Research. Time and credit to be arranged.

Graduate Courses

101. Advanced Animal Breeding. Time and credit to be arranged.

102. Advanced Animal Nutrition. Time and credit to be arranged.

182. Animal Husbandry Research. Time and credit to be arranged.

192. Dairy Research. Time and credit to be arranged.

Bacteriology

(See College of Arts and Sciences)

Home Economics

Professors Warnick, Larsen, Poulson; Associate Professor Barlow; Assistant Professors Billings, Harris; Mrs. Potter, Miss Romney.

It is advised that students of Home Economics who are preparing to enter the teaching profession take the composite major and minor in this department as this is required for a First Class five-year certificate in vocational home economics. Major and minor may also be obtained in Clothing and Textiles, Foods and Nutrition and Household Administration.

All freshmen who expect to major in Home Economics are required to take Household Administration 5. All teaching majors are required to take Household Administration 71, 72, and 73; Chemistry 21, 22, and 23; Bacteriology 21 and 22; Zoology 45 or 65; Art 21, 25, and 29. Four additional hours of Art may be elected.

It is suggested that students interested in pre-nursing preparation register in the Department of Home Economics with a major in Foods and Nutrition. The following courses are recommended for such students: Foods and Nutrition 5, 10, 11, 12; Chemistry 21, 22, and 23; Bacteriology 21 and 22; Psychology 11; Zoology 45 or 65 and 66; Economics 1; Sociology 11; Household Administration 12 or 62; Freshman English, and Physical Education. These courses would provide an adequate foundation for Nurses' training and for a teaching major, should a student desire to return for a college degree.

The following courses fulfill the requirements prescribed by the American Dietetic Association for pre-dietetic training; Chemistry 21, 22, 23, 24 or 55; Zoology 45 or 65 and 66 and 58, Bacteriology 21 and 22; Psychology 11 and 63; Sociology 11; Economics 1; Secondary Education 81 or Household Administration 71 and 72; Foods and Nutrition 10, 11, 12, 50, 51, 53, 54, 55, 56, and 75. Household Administration 65; Accounting and Business Administration 1 are recommended.

CLOTHING AND TEXTILES

Clothing and Textiles 1, 2, 3, 55, 56, 60 and 61 or 15, 62, 65, 66, 68, and 69, are required of all who major in Clothing and Textiles. Other additional hours are elective with the advice of the major professor. Chemistry 21, 22, and 23, or equivalent, required.

Lower Division Courses

1. or 70*. **Clothing Selection and Construction.** Autumn. Daily. Sec. 1 and 2, 8:00; Sec. 3, 9:00; Sec. 4 T. Th., 2:00-5:00; Sec. 5, M. W. F., 3:00-5:00. Three credit hours. Billings and Potter.

Analysis of fashion trends as they effect the selection of personal clothing; study and basic measures used by commercial pattern makers and methods of adjusting the pattern to individual needs. Selection and construction of

a tailored dress by the use of a commercial pattern. Laboratory hours to be arranged. Prerequisite or parallel, Art 1.

- 2 or 71.* Clothing Design and Construction.** Winter. Sec. 1 and 2, Daily 8:00; Sec. 3, T. Th., 1:00-3:00; Sec. 4, M. W. F., 3:00-5:00. Spring. Sec. 1, daily, 10:00; Sec. 2, M. W. F., 3:00-5:00. Three credit hours. Billings and Potter.

An analysis of garment design and personal line and color. Emphasis is placed on fabric and design as it affects the character of the costume. One garment is made. Laboratory hours to be arranged. Prerequisite or parallel, Art 25, Clothing and Textiles 1 or 70, or 5.

- 3 or 72*. Spring Wardrobe Building.** Spring. Sec. 1, Daily, 8:00. Sec. 2, T. Th., 1:00-3:00. Two credit hours. Billings.

Selection and construction of the costume ensemble; the study and application of art principles to the selection of the wardrobe. Emphasis upon sewing techniques and short cuts to speed and efficiency. Construction of summer garments for street, daytime, and evening, and semi-tailored costumes; color harmonies of special interest. Laboratory hours to be arranged. Prerequisite: Clothing and Textiles 2 or 71.

- 5.* Survey in Clothing and Construction.** Winter. Sec. 1 daily, 8:00; Sec. 2, daily, 9:00; Sec. 3, M. W. F., 3:00-5:00. Spring, T. Th., 2:00-5:00. Three credit hours. Potter.

Emphasis on selection and construction of a tailored garment to teach correct techniques in the use of commercial patterns and construction skills. Adjustment of pattern to individual measures, analysis of color, line, and fabrics are stressed. Laboratory periods to be arranged. Prerequisite or parallel: Art 21. Accepted for Clothing and Textiles 1, on recommendation of instructor.

- 10.* Dress Design and Appreciation.** Autumn, Winter. M. W. F., 11:00. Three credit hours. Potter.

Selection and purchase of the personal wardrobe. Consideration will be given to the clothing budget, suitability of costume to use, care and repair of the personal wardrobe; good grooming, and relation of clothing to individual success. Open to all non-majors.

- 11. Dressmaking.** Spring. M. W. F., 11:00. Two credit hours. Potter.

A course in clothing construction for non-majors. Based

on the use of the commercial pattern and the development of good sewing techniques.

15. **General Textiles.** Autumn, Winter or Spring. M. W. F., 10:00. Three credit hours.

Fundamental textile fibers, yarns, weaves, color, and finishes with special references to selection of fabrics for clothing and the house.

- 20.* **Home Furnishings.** Autumn. M. W. F. Lecture and laboratory time to be arranged. Three hours credit. Staff.

Materials, construction processes, and selection of furnishings for the home.

Classes in Clothing and Textiles 1, 2, 3, 5, 11, 10, 20, and 67 are limited to twenty and twenty-five members to sections. Assignments are made by the Home Economics Staff at registration.

Upper Division Courses

52. **Children's Clothing.** Spring. M. W. F., 2:00. Two credit hours. (Not given this year.)

A consideration of design and construction of children's clothing suitable to various ages and types with special emphasis on physical and psychological needs of the child as related to clothing.

55. **The Family Clothing Problem.** Spring. M. W., 1:00-4:00. Three credit hours. Billings.

Study of the wardrobe needs of the family and problems relating to the purchase, care, and construction of the family clothing. To buy or to sew; a comparison of needs and values with some remodeling of garments to provide basis for comparison.

56. **Tailoring.** Winter. M. W., 1:00-4:00. Three credit hours. Billings.

Tailoring techniques applied in the construction of coats, suits, and dresses. Prerequisites: Clothing and Textiles 1, 2, and 3, or equivalent.

- 60, 61. **Advanced Textiles.** Autumn and Winter. T. Th. Two credit hours each quarter. (Not given this year.)

History of primitive and modern methods of manufacturing textile fibers. The construction and finish of fabrics and factors influencing the quality and cost.

62. **Economics of Clothing Selection.** Winter. T. Th, 10:00. Two credit hours. Potter.

A study of factors involved in the selection and purchase of clothing with special reference to existing guides and sources of buying information for the consumer-buyer. Field trips to stores and industries. Open to all upper division students.

65. **Historic Costume.** Winter. M. W. F., 11:00. Laboratory, F. Three credit hours. Billings.

Study of period costume as an expression of fashion which reflects the social and artistic life of the time. Emphasis is placed on those phases of costume which provide inspiration for modern design. Students of drama and pageantry will find special interest in this course.

66. **Costume Design.** Spring. M. W. F., 11:00. Laboratory, F. Three credit hours. Billings.

Principles of sketching and the interpretation of artistic design. Emphasis is placed on creative design by the use of motifs and fashion sources which will aid in the development of individual dress. Prerequisite: Clothing and Textiles 65.

67. **Advanced Clothing Construction.** Autumn. Daily, 10:00. Two credit hours. Billings.

Design and construction of daytime and evening garments. Training in fine techniques and artistic wardrobe assembling. Prerequisite: Clothing and Textiles 1, 2, and 3, or equivalent.

68. **Pattern Design and Draping.** Autumn. T. Th., 1:00-4:00. Three credit hours. Billings.

The principles of draping and dress design, cutting, fitting, and finishing. The basic muslin pattern is used to facilitate efficient self-fitting. Two garments are designed, cut and fitted. Laboratory hours to be arranged for sewing work as class hours will be confined to problems of design and style. Prerequisites: Clothing and Textiles 1, 2, 3; 60 or 15.

69. **Recent Developments in the Textile Field.** Spring. T. Th., 10:00. Two credit hours.

Readings, reports, and discussions based on the current literature and research being done in the textile and clothing field. Prerequisites: Clothing and Textiles 1, 2, 3, 60, 61, 65, and 66.

Graduate Courses

- 101. **Clothing Selection and Construction.** Autumn. M. T. W. Th. Three credit hours. Billings.
- 102. **Clothing Design and Construction.** Winter, Spring. M. T. W. Th. Three credit hours. Billings and Potter.
- 160,161. **Textiles.** Autumn and Winter. T. Th. Two credit hours each quarter. (Not given this year.)
- 162. **Economics of Clothing.** Winter. T. Th., 10:00. Two credit hours. Potter.
- 168. **Pattern Design and Draping.** Autumn. M. W. F., 1:00-4:00 Three credit hours. Billings.

FOODS AND NUTRITION

Foods and Nutrition 10, 11, 12, 50, 53, 54, 55, 56, and 15 or 75, are required of all who major in Foods and Nutrition. Other additional hours are elective with the advice of the major professor. Chemistry 21, 22, and 23, or equivalent, required.

- 1. **Food Problems in the Home.** Autumn, Winter or Spring. T. Th. Lecture, 2:00-3:00. Laboratory, 3:00-5:00. Three credit hours. (Not given this year.)

Selection, preparation and care of food in the home. Open to all non-majors.

- 4. **Cookery Problems for Men.** Autumn or Winter. M. W. F. One lecture and two laboratory periods, 9:00. Two credit hours. Hollingshead. (Not given this year.)

For men desiring experience in simple meal preparation.

- 5. **Elementary Nutrition.** Autumn, Winter, and Spring. 10:00. Three credit hours. Barlow.

The study of the fundamentals of nutrition and the use of the diet in maintaining physical fitness. Open to men and women. Required of majors in vocational education.

- 10 or 70.* **Introductory Foods.** Autumn, Winter, Spring. Autumn. M. W. Lecture 1:00-2:00. Laboratory Sec. I, M. W. 2:00-4:00; Sec. II, T. Th., 1:00-3:00; Sec. III, T. Th., 3:00-5:00. Winter, M. W. Lecture 1:00-2:00. Laboratory T. Th., 12:00-2:00. Spring T. Th., Lecture 1:00-2:00. Laboratory T. Th., 2:00-4:00. Three credit hours. Barlow and Staff.

Principles involved in the cookery of foods for family meals. Open to all students.

- 11 or 71.*Menu Planning and Meal Service.** Winter, Sec. 1. M. W. Lecture and laboratory 1:00-4:00; Sec. 2, T. Th., 2:00-5:00. Three credit hours. Barlow and Staff.

Experience is given in menu planning, food buying, and meal service of various types. Prerequisites: Foods and Nutrition 10 and Chemistry 21 except on approval of instructor.

- 11a*. Meal Service.** Spring. T. Th., 10:00. Two credit hours. Barlow.

A non-laboratory course including a study of the factors involved in various types of meal service. Includes demonstrations and discussion.

- 12 or 72.* Advanced Food Preparation and Preservation.** Spring, M. W. Lecture 1:00-2:00. Laboratory M. W. 2:00-4:00. Three credit hours. Barlow.

A study of factors affecting the preparation and preservation of standard food products from the experimental viewpoint. Prerequisites: Foods and Nutrition 10 and Chemistry 21 and 22.

- 15 or 75. Food Economics.** Autumn. T. Th. 9:00-10:00. F., 3:00. Three credit hours.

Food purchasing as affected by markets, advertising, brands, and other factors.

Upper Division Courses

- 50. Large Quantity Cookery.** Autumn, Winter, Spring. Daily, 10:00-1:00. Five credit hours.

Practical experience in the preparation of food, management, large quantity marketing, and simple accounting applied to the institutional field. Prerequisites or parallel: Foods and Nutrition 10, 11; 12. Limited to six students each quarter. Register in Autumn for the year.

- 51. Institutional Management.** Winter. M. W. F., 11:00. Five credit hours.

For girls preparing for dietetic training or institutional

*Classes in Foods and Nutrition 10, 11, 12 limited to twenty members for each laboratory section. Assignments are made by the Home Economics Staff at registration.

management. Field trips and practical experience to be arranged.

52. **Nutrition of Children.** Autumn. M. W. F., 8:00. Three credit hours. (Not given this year.)

Nutritional requirements and feeding problems of pregnancy, infancy, and pre-school child.

53. **Nutrition.** Autumn. M. W. F., 9:00. Laboratory, Th., 3:00-5:00. Four credit hours. Barlow.

A study of fundamental principles of Nutrition and their relation to health and growth. Prerequisites: Chemistry 23, and Foods, 12.

54. **Dietetics.** Winter. M. W. F., 9:00. Laboratory, Th., 3:00-5:00. Four credit hours. Barlow.

A study of the requirements of normal individuals and calculation of dietaries to meet these needs. Prerequisites: Chemistry 23, Foods 53, or consent of instructor.

55. **Nutrition in Disease.** Spring. M. W. F., 9:00. Laboratory, Th., 2:00-5:00. Four credit hours. Barlow.

This course deals with the value of food in maintaining health. Emphasis is placed on special diets for different diseases. Prerequisites: Courses 53 and 54.

56. **Readings in Nutrition.** Winter. T., 3:00-5:00. Two credit hours. Barlow.

Required of all senior girls majoring in Foods and Nutrition.

Graduate Courses

150. **Large Quantity Cooking and Marketing.** Autumn, Winter, Spring. Daily, 10:00. Five credit hours.

153. **Nutrition.** Autumn, M. W. F., 9:00. Laboratory, Th., 3:00-5:00. Four credit hours. Barlow.

154. **Dietetics.** Winter. M. W. F., 9:00. Laboratory, Th., 3:00-5:00. Four credit hours. Barlow.

155. **Nutrition in Disease.** Spring. M. W. F., 9:00. Laboratory, Th., 3:00-5:00. Four credit hours. Barlow.

156. **Readings in Nutrition.** Winter. T., Time to be arranged. Two credit hours. Barlow.

HOUSEHOLD ADMINISTRATION

Household Administration 12, 60, 61, 80, 81, 63, 64, 65, are required of all who major in Household Administration. Other additional hours are elective with the advice of the major professor. Chemistry 21, 22, 23, or equivalent, required.

Lower Division Courses

- 1. Household Problems.** Autumn. T. Th., 9:00. Two credit hours. Warnick.

This course will present the most important problems in the organization and management of the household.

- 5. Introduction to Home Economics.** Autumn, Spring. F., 3:00. One credit hour. Warnick.

Designed to orient beginning students in the field of home economics. Vocational opportunities for women trained in home economics are investigated. Required of all freshmen majoring in the department.

- 10. Family Health.** Autumn, Spring. M. W. F., 9:00. Three credit hours. Warnick.

A consideration of factors underlying health; methods concerned with the control and prevention of communicable and infectious diseases; home care of the sick. This course will give special emphasis to wartime and emergency needs.

- 12. Family Relationships I.** Winter. M. W. F., 2:00. Three credit hours. Warnick.

Relationships among family members and factors affecting them. Open to all students.

- 15. Housing I.** Winter, T. Th., 9:00. Two credit hours. Warnick.

Family problems involved in planning, financing, and equipping a home. Open to all students.

- 20 or 80. Child Care.** Autumn. T. Th., 2:00. Two to three credit hours. Warnick.

Problems of prenatal and infant care; physical and mental standards of development; general care and hygiene of mother and child.

- 21 or 81. Child Development.** Winter. T. Th., 2:00. Two to three credit hours. Warnick.

Habit formation and behavior problems of the infant and pre-school child; home influence in the care and training of children; observation of children in the kindergarten and nursery school.

- 22 or 82. Child Development.** Spring. Th., 8:00. Two to three credit hours. Warnick.

Observation of and participation in the managerial activities of the nursery school. Philosophy of nursery school education and its application to the home situation. Prerequisites: Household Administration 80 and 81. (Not given this year.)

Upper Division Courses

- 52, 53, 54. Interior Decoration.** Autumn, Winter, Spring. T. Th., 9:00. Two credit hours each quarter. Larsen. Prerequisites: Art 21, 25, 29. (See Art 91, 92, 93.)

- 60. Home Management.** Spring. M. W. F., 8:00. Three credit hours. Warnick.

An analysis of the problems involved in the efficient management of family resources and household tasks and the relation of management to the personal aspects of family life.

- 60b. Home Management House.** Three credit hours.

Consists of half-quarter's residence in home management house with experience in the purchasing and preparation of foods, meal planning, and service, house-keeping, household records, hospitality, and group relationships. Applications should be made by the end of the winter quarter preceding admission to this course. Household Administration 60 precedes or parallels this course. (Not given this year.)

- 61. Economic Problems of the Family.** Winter. M. W. F., 8:00. Three credit hours. Warnick.

Study of those economic problems most directly concerning the family of today, discussion of family income, its size, sources, adequacy; income apportionment and expenditure. For men and women students.

- 62. Family Relationships II.** Spring, M. W. F., 2:00. Three credit hours. Warnick.

Present social and economics factors affecting the family of today. Responsibilities and contributions of family

members; analysis of relationships which make for satisfactions in family life.

- 63. The Consumer and the Market.** Winter. M. W. F., 2:00. Three credit hours. Warnick.

An analysis of the economic position of the consumer as a buyer; organization and function of the market price policies, selling methods in the retail market, retailing activities and their costs, and market control through legislation. Open to men and women students.

- 64. Housing Problems of the Modern Family.** M. W. F., 8:00. Three credit hours. Warnick.

The social, economic, and functional aspects of housing; Federal legislation and organizations promoting better housing; the family dwelling from the standpoint of family needs and interests. Open to men and women students.

- 65. Equipment.** Spring. M. W. F. Three credit hours. Barlow.

A study of electrical and non-electrical equipment for the home. Fundamental factors determining selection and use and care. Open to men and women students.

- 68. Psychology of Childhood and Adolescence.** Winter. M. W. F., 10:00. Three credit hours. Poulson. (See Psychology 68.)

- 69. Mental Hygiene.** Spring. M. W. F., 10:00. Three credit hours. Poulson. (See Psychology 69).

- 71.* Philosophy and Historical Development of Home Economics.** Spring. T Th., 9:00. Two credit hours. Reid.

The historical development, growth; present scope and trend; objectives of home economics education; its organization and relationship to the present educational set-up. Requires the completion of one summer project.

- 72.* Methods of Teaching Home Economics.** Autumn. T. Th., 9:00. Two credit hours. Reid.

Teaching methods as applied to home economics curriculum content, equipment and teaching facilities; laboratory arrangement and management.

- 73.* Special Problems in Teaching Home Economics.** Spring. T., 8:00. One credit hour. Warnick.

For all senior majors who are qualifying for a teaching certificate.

Graduate Courses

160. **Home Management.** Spring. M. W. F., 8:00. Three credit hours. Warnick.
161. **Economics of the Household.** Winter. M. W. F., 8:00. Three credit hours. Warnick.
164. **Housing Problems of the Family.** Autumn. M. W. F., 8:00. Three credit hours. Warnick.
173. **Special Problems in Teaching Home Economics.** Spring. T., 8:00. One credit hour. Warnick.
180. **Child Care.** Autumn. T. Th., 2:00. Two credit hours. Warnick.
181. **Child Development.** Winter. T. Th., 2:00. Two credit hours. Warnick.
182. **Seminar in Child Development.** Spring. Th., 8:00. Two credit hours. Warnick. (Not given this year.)

Horticulture and Landscape Architecture

Assistant Professor Wallace; Mr. Reimschiissel.

HORTICULTURE

Students majoring in this department may emphasize either Pomology; Vegetable Production or Ornamental Horticulture with Landscape Architecture.

Lower Division Courses

1. **Principles of Pomology.** Autumn. M. W. F., 9:00. Three credit hours. Staff.

The principles underlying profitable orchard management will be studied.

5. **Herbaceous Plant Materials.** Autumn. T. Th., 8:00. Two credit hours. Reimschiissel.

Annual, biennial, and perennial plants for autumn land-

* Household Administration 71, 72, 73, fulfill special methods requirements for a vocational education teaching certificate.

scape effects, color, texture and height will be studied. Botanical characteristics and cultural methods are considered.

- 6. Herbaceous Plant Materials.** Spring. T. Th., 8:00. Two credit hours. Reimschiessel.

Annuals, biennials, and perennial plants for spring and summer landscape effects, color, texture and height will be studied. Botanical characteristics and cultural methods are considered.

- 7. Floriculture.** Autumn, Spring, Summer. M. W. F. Three credit hours. Staff.

Problems dealing with the use of the herbaceous plant, its culture and arrangement.

- 11. Plant Propagation.** Spring. M. W. F., 9:00. Three credit hours. Staff.

A study of the methods of plant reproduction will be made which will include Greenhouse and Nursery practice.

- 12. Plant Propagation Laboratory.** Spring. T. Th., 2:00-4:00. Two credit hours. Staff.

Laboratory course in Plant Propagation designed to accompany Horticulture 11.

- 13. Truck Crops.** Autumn. M. W. F., 10:00. Four credit hours. Laboratory F., 1:00-3:00. Wallace.

Principles of growing, harvesting, and handling vegetable crops for marketing and canning. Insect and pest control will be considered.

- 14. Preservation of Horticultural Products.** Autumn. T. Th., 11:00. Laboratory, F., 2:00-5:00. Three credit hours. Wallace.

Principles involved in canning, freezing, drying, and fruit juice extraction, emphasis being placed upon the utilization of many fruit and vegetable products which have been wasted in the past. A laboratory period will be given to provide actual experience in some of these processes. Class open to anyone, particularly agricultural and home economic students.

- 32. Marketing Fruits and Vegetables.** Spring. M. W. F., 11:00. Three credit hours. Wallace.

This course will deal more specifically with the fruit and vegetable products as affected by ordinary marketing

procedure. Harvesting, packing, transportation and storage will receive major attention.

40. **Weed Plants and Seeds.** Autumn. T. Th., 2:00-5:00. Three credit hours. Staff.

The important weeds occurring in Utah and their control. Study will be made of the weed seeds likely to occur in commercial seed. (See Agronomy 40.)

Upper Division Courses

52. **Systematic Pomology.** Autumn. T. Th., 1:00. Laboratory, F., 2:00-5:00. Two or three credit hours. Staff. (Not given this year.)

Emphasis placed on the identification, description, and nomenclature of fruits and fruit trees. Prerequisite: Botany 3.

53. **Advanced Pomology.** Winter. M. W. F., 1:00. Three credit hours. Wallace.

A technical course based upon plant physiology and morphology as applied to fruit producers. Prerequisite: Horticulture 1 and Botany 60.

56. **Orchard Practice.** Spring. Time to be arranged. One credit hour. Staff.

The student will be given practical problems of nursery practice. Emphasis on spraying, pruning, and planting. Prerequisite: Horticulture 1.

58. **Seed Analysis.** Time to be arranged. Two credit hours. Staff.

A course given to qualify students as seed analysts for private seed companies or state agencies. Prerequisite: Horticulture 40.

59. **Plant Genetics.** Winter. M. W. F., 9:00. Three credit hours. Wallace.

A study of plant genetics in relation to improvement of plants. Methods of hybridizing and selection as practiced in Europe and America.

60. **Farm Management.** Winter. M. W. F., 1:00. Three credit hours. Staff. (See agronomy 60.)

62. **Biometry.** Spring. M. W. F., 10:00. Three credit hours. Wallace.

Application of statistical principles to the design of biological experiments and the analysis of the data. Prerequisite: Mathematics 11. (See Agronomy 62.)

69. **Food Bacteriology.** Spring. M. W. F., 8:00. Laboratory, T. Th., 1:00-3:00. Five credit hours. Anderson and Wallace. (Not given this year.)

Principles of food preservation and industrial processing and the relation of microorganisms to the food industry. Laboratory analysis of food products.

- 91, 92, 93. **Seminar.** Autumn, Winter, Spring. One credit hour each quarter. Staff.

Current horticultural literature will be reviewed. For seniors majoring in horticulture.

96. **Special Problems in Horticulture.** Autumn, Winter, or Spring. Credit and subject matter to be arranged. Staff.

LANDSCAPE ARCHITECTURE

1. **Elementary Landscape Architecture.** Autumn, Winter and Spring. M. W. F., 8:00. Three credit hours. Reimschiissel.

This course is designed to fit the needs of all students. Principles of design and composition as applied to landscape architecture with emphasis on home ground developments. A foundation to all courses in landscape architecture.

5. **Herbaceous Plant Materials.** Autumn. T. Th., 8:00. Two credit hours. Reimschiissel.

Annual, biennial, and perennial plants for autumn landscape effects, color, texture and height will be studied. Botanical characteristics and cultural methods are considered.

6. **Herbaceous Plant Materials.** Spring. T. Th., 8:00. Two credit hours. Reimschiissel.

Annuals, biennials, and perennial plants for spring and summer landscape effects, color, texture, and height will be studied. Botanical characteristics and cultural methods are considered.

7. **Floriculture.** Autumn, Spring, Summer M. W. F. Three credit hours. Staff.

Problems dealing with the use of the herbaceous plant, its culture and arrangement.

- 24. Landscape Design.** Winter. M. W. F., 2:00-5:00. Three credit hours. Reimschiessel.

The design of gardens and private grounds on flat surfaces. A fundamental course to all landscape design. Prerequisite: course 1.

- 25. Landscape Design.** Spring. M. W. F., 1:00-4:00. Three credit hours. Reimschiessel.

Designing land surfaces to fit the setting. Private and public grounds considered. Prerequisite: course 24.

Mechanic Arts

Professors Snell, Larsen; Mr. M. Snell.

Credit in shop courses in Mechanics is given on the basis of three hours for nine hours' application each week during the quarter.

MECHANICS

Lower Division Courses

- 1. Art Metal Work.** Autumn, Winter, or Spring. T. Th., 1:00-3:00. Two credit hours. Snell. Prerequisite. Drawing 1. (Not given this year)

- 5. Ornamental Iron Work.** Autumn. T. Th., 1:00-3:00. Two credit hours. Snell. (Not given this year.)

Craftsmanship in wrought iron, copper, brass, etc. Designing, cutting, sawing, bending, drilling, tapping, threading, hammering, finishing, etc. Lectures and outside preparation.

- 7. Tool Technique.** Autumn, Winter, or Spring. T. Th., 1:00-3:00. Two credit hours. Staff.

Required of all mechanics majors. Sharpening, care and use of woodworking hand tools, applied in fundamental principles of sawing, joining, fitting, fastening, etc.

- 11. Elementary Auto Mechanics.** Autumn. Daily, 1:00-3:00. Two or three credit hours. (Not given this year.)

Construction of the automobile and an elementary study of the principles involved. Lubrication, assembling and repairing of brakes, rear axles, transmission systems and engines.

- 12. Elementary Auto Mechanics.** Winter. Daily, 1:00-3:00. Two or three credit hours. (Not given this year.)

Construction and adjustment of carburetors and ignition system.

- 13. Elementary Auto Mechanics.** Spring. Daily, 1:00-3:00. Two or three credit hours. (Not given this year.)

Ignition, timing, "trouble shooting," battery work, and starting and lighting systems.

- 17. Wood Turning.** Autumn, Winter, or Spring. T. Th., 1:00-3:00. Two or three credit hours. Staff.

Exercises and projects in wood turning executed through individual designs.

- 18. Pattern Making.** Autumn, Winter, or Spring. T. Th., 1:00-3:00. Two or three credit hours. Staff.

The principles of pattern making are taught through the making of simple patterns for machine parts.

- 19. Wood and Metal Finishing.** Autumn, Winter, or Spring. M. W. F., 1:00-3:00. Two credit hours. Staff (Not given this year.)

Preparation of surfaces for the application of finishes, staining, painting, varnishing, lacquering, polishing etc. Use of the brush and air gun.

- 21. Upholstering and Seat Weaving.** Autumn, Winter, Spring. T. Th., 1:00-3:00. Two credit hours. Staff.

Typical forms of upholstery, including foundations with and without springs. Seat and panel weaving with cane and fiber.

- 27. Cabinet Construction.** Autumn. Daily or M. W. F., 1:00-3:00. Two or three credit hours each quarter. Staff.

Drawings are submitted and the article is made to conform to these. Woods commonly used in cabinet work are studied as to their adaptability and finishing qualities; veneering, inlaying, and polishing.

28. **Cabinet Construction.** Winter. Daily or M. W. F., Staff.
Continuation of 27.
29. **Cabinet Construction.** Spring. Daily or M. W. F. Staff.
Continuation of 28

Upper Division Courses

51. **Ignition.** Autumn. Daily, 3:00-5:00. Two or three credit hours. (Not given this year.)

Battery and magneto ignition. Study and practice of the principles involved in testing for troubles and making adjustments.

52. **Generators and Starting Motors.** Winter. Hours and credits as in 51. (Not given this year.)

The working principles of the dynamo, and testing for shorts and open circuit. Reverse current cutouts, types of generator regulation such as third brush control systems and generator output.

53. **Machine Work and Welding.** Spring. Hours and credit the same as in 51. (Not given this year.)

Drill-press, lathe, and planer work. Principles of cutting tools, forging and tool sharpening. The use of the torch in cutting and welding.

57. **Standard Construction Methods.** Autumn, M. W. F., Time to be arranged. Three credit hours. Staff. (Given in alternate years.)

This course deals with the theoretical side of building. Location, soil conditions, footings, materials, equipment, etc.

58. **Carpentry.** Winter, M. W. F. Time to be arranged. Three credit hours. Staff.

Thorough drill in saw filing. Tool practice applied in practical problems. Fitting and hanging doors and windows, built-in cabinets, stair construction and framing. Prerequisite: Course 7, and Drawing 13.

59. **Estimating.** Spring. M. W. F. Time to be arranged. Three credit hours. Staff. (Given in alternate years.)

Interpretation of plans and specifications. Methods of estimating and figuring costs of materials and labor. Permits, contracts, liens. Prerequisite: Drawing 13.

- 64. Mill Work—Woodworking Machinery.** Autumn, Winter, Spring. Daily or M. W. F., 1:00-3:00. Two or three credit hours. Staff.

Work will be handled as nearly as possible as in actual practice. Estimates and working drawings will be made and a careful check of material and labor kept and computed for each job.

- 65, 66, 67. Shop Work.** Autumn, Winter, Spring. Daily or M. W. F., 1:00-3:00. Two or three credit hours. Staff.

Advanced work, consisting of the erection of buildings, cabinet work, upholstering, pattern work, or novelty work. Prerequisites: Courses 57, 58, 59, or their equivalent.

***DRAWING**

Lower Division Courses

- 1. Theory and Practice of Design.** Autumn. M. W. F., 1:00. Two credit hours. Larsen. (See Art 21.)

- 2. Free-hand Lettering.** Autumn, Winter, or Spring. Daily, 9:00. Two credit hours. Snell.

Practice in lettering as applied in architectural and engineering office work.

- 4. Engineering Drawing.** Autumn. Three sections.
M. W. F., 10:00-12:00. Three credit hours. Snell.
M. W. F., 1:00-3:00. Three credit hours. Snell.
T. Th., 1:00-3:00. Two credit hours. Snell.

The care and use of instruments, lettering, applied geometry, orthographic projection and pictorial representation. A beginning course.

- 5. Engineering Drawing.** Winter. Three sections
M. W. F., 10:00-12:00. Three credit hours. Snell.
M. W. F. 1:00-3:00. Three credit hours. Snell.
T. Th., 1:00-3:00. Two credit hours. Snell.

True lengths, auxiliary, screws, sections, detail and assembly drawings, tracing and blueprinting. Prerequisite: Drawing 4 or equivalent.

- 6. Descriptive Geometry.** Spring. Three sections.
M. W. F., 10:00-12:00. Three credit hours. Snell.
M. W. F., 1:00-3:00. Three credit hours. Snell.
T. Th., 1:00-3:00. Two credit hours. Snell.

A study of the principles relating to the point, line plane, cylinder, cone and double-curved surfaces of revolution,

*While courses are listed according to quarters, any course may be taken any quarter, provided prerequisites have been met.

with application to practical problems. Prerequisites: Drawing 5.

8. **Elementary Machine Design.** Autumn. Daily, 9:00. Two credit hours. Snell.

Drawing of machine fastenings, such as bolts, screws, rivets, keys, etc. Dimensionings, working drawings and technical sketching. Detail and blueprints. Prerequisites: Drawing 4, 5, 6.

9. **Elementary Machine Design.** Winter. Daily, 9:00. Two credit hours. Snell.

Continuation of 8.

10. **Shades and Shadows.** Autumn, Winter, or Spring. Daily, 9:00. Two credit hours. Snell.

Planned to give fundamental knowledge necessary for casting shadows in architectural design.

11. **Instrumental Perspective.** Autumn, Winter, or Spring. Daily, 9:00. Two credit hours. Snell.

The theory and application of methods of drawing architectural perspectives.

12. **Rendering.** Autumn, Winter, or Spring. Daily, 9:00. Two credit hours. Snell.

Wash rendering practice plates and rendering of architectural elements.

13. **Architectural Drawing.** Autumn, Winter or Spring. Daily, 9:00. Two credit hours. Snell.

Drawing of plans, elevations, and details of different types of buildings. Tracing and blue-printing. Prerequisites: Drawing 4, 5, and 6, or equivalent.

14. **Architectural Drawing.** Winter. Daily, 9:00. Two credit hours.

Continuation of 13.

15. **Architectural Drawing.** Spring. Daily, 9:00 or 11:00. Continuation of 14.

19. **Topographical Drawing.** Autumn, Winter, Spring. Daily, 9:00. Two credit hours. Snell.

Practical elementary work in topographical drawing, mapping and plotting from field notes. Prerequisite: Six hours credit in Drawing 4 and 5.

- 26, 27, 28. **Architectural Design.** Autumn, Winter, Spring.

Daily, 9:00. Extra laboratory period arranged any afternoon. Two or three credit hours each quarter. Snell.

A series of order problems involving the study of the principles of composition. Problems similar to Class B Analytiques of the Beaux-Arts Institute of Design will be followed. Prerequisites: Drawing 10, 11, 12, 14, 15.

Upper Division Courses

51, 52, 53. Architectural Design. Autumn, Winter, Spring. Daily, 9:00. Extra laboratory periods arranged any afternoon. Three credit hours each quarter. Snell.

Designing, rendering, detailing, tracing, and blue-printing. A complete set of plans with one display drawing each quarter. Prerequisites: Drawing 14 and 15.

ENGINEERING

Lower Division Courses

40, 41, 42. Elementary Surveying. Autumn, Winter, Spring. M. W. F. Two credit hours each quarter. Staff. Time to be arranged. Prerequisites: Trigonometry and Drawing 5, 6.

Methods of using the compass, tape, level, and transit in making plain surveys, differential leveling, profile, and cross-section work, curves, grades, computations, and platting.

Upper Division Course

63. Geology of Ground Water. Daily, 8:00. Five credit hours. (See Geology 92.)

College of Arts and Sciences

CARL F. EYRING, DEAN

The primary purpose of the College of Arts and Sciences is to meet the needs of students who desire a broad and liberal education that will enable them to find and take their places in the complex civilization of today. Abundant opportunity is provided for those who have ambition for specialized study in engineering, medicine, or law, or for those who desire to train for religious, political or social leadership. Preparation for original investigation in the fields of this college is emphasized. Students who wish to build a foundation for advanced degrees will find this college rich in opportunity.

Lower Division Registration

In order that beginning students may receive adequate guidance in the selection of a course of study, faculty advisors have been selected to give assistance according to the following plan.

DIVISIONAL REGISTRATION

Many beginning students wish to explore the fields of learning to gain not only a breadth of training but also the information needed in the selection of a life's work. To meet this need an opportunity is given for guidance in these broad areas of instruction.

General Course Division. For students who have as yet no special interests, but who need orientation.

Biological Science Division. For students with special interests in bacteriology, botany, psychology, and zoology.

Physical Science Division. For students with special interests in chemistry, geology, geography, mathematics, and physics.

Social Science Division. For students with special interests in history, political science, sociology, and economics.

Language Division. For students with special interests in English journalism, and modern and classical languages.

DEPARTMENTAL REGISTRATION

Certain lower division students may have decided on a definite career and may wish to register from the beginning in a specific department. If so, they may choose from among the following departments in the College of Arts and Sciences: Bacteriology, Botany, Chemistry, English, Geology and Geography, History, Journalism, Mathematics, Physics, Political Science, Psychology, Modern and Classical Languages, Sociology, and Zoology and Entomology.

PRE-PROFESSIONAL REGISTRATION

The College of Arts and Science offers pre-engineering, pre-medical, and pre-legal courses. Students desiring to register in these fields should make use of the guidance here offered.

PRE-ENGINEERING COURSE

Advisers: George H. Hansen, Wayne B. Hales, William H. Snell.

A three-year pre-engineering course is outlined below. Not only is this course equivalent in technical training to the first two years of a standard engineering curriculum, but it also permits the student to gain a cultural background.

Freshman Year

<i>Subject</i>	<i>Credit</i>		
	A	W	S
Chemistry 4, 5, 6	5	5	5
Drawing 3, 4, 5	2	2	2
English 1, 2, 3	3	3	3
*Mathematics 11, 12, 13	5	5	5
Phys. Ed. 1, 2, 3	1	1	1
Religion 11, 12, 13	2	2	2
	<hr/>	<hr/>	<hr/>
	18	18	18

Sophomore Year

Drawing 6		2	
Engineering 40, 41, 42	2	2	2
Geology 14	5		
Mathematics 50, 51, 52	4	4	4
Mechanics 18			3
Physics 41, 42, 43	5	5	5
Religion 21, 22, 23	2	2	2
Electives		2	2
	<hr/>	<hr/>	<hr/>
	18	17	18

Junior Year

Accounting 1			5
Economics 1	5		
Geology 51			5
Mathematics 71	5		
Mathematics 81			5
Religion	2	2	2
Electives (to meet group requirements)	4	4	9
	<hr/>	<hr/>	<hr/>
	16	16	16

*A student not presenting for entrance Intermediate Algebra and Solid Geometry should also elect Mathematics 1 and 20.

PRE-MEDICAL COURSE

Advisers: Milton Marshall, C. Lynn Hayward, Russell Swensen.

A three-year pre-medical course is outlined below. The student who wishes to extend his cultural background may elect a four-year course. In his senior year he should choose a major department, and, if a degree is desired, satisfy general and departmental graduation requirements.

Freshman Year

Autumn		Winter		Spring	
English 1	3 hrs.	English 2	3 hrs.	English 3	3 hrs.
Religion 11	2 hrs.	Religion	2 hrs.	Religion	2 hrs.
Mathematics 12	5 hrs.	Zoology 11	5 hrs.	Botany 1 or 3	5 hrs.
Chemistry 4	5 hrs.	Chemistry 5	5 hrs.	Chemistry 6	2 or 3 hrs.
Phys. Ed. 1	1 hr.	Phys. Ed. 2	1 hr.	Latin	3 hrs.
				Phys. Ed.	1 hr.
Total 16 hrs.		Total 16 hrs.		Total 17 hrs.	

Sophomore Year

Autumn		Winter		Spring	
Chemistry 10	3 hrs.	History 1	5 hrs.	Zoology 55	5 hrs.
Physics 41	5 hrs.	or equiv.		Physics 43	5 hrs.
Religion	2 hrs.	Physics 42	5 hrs.	Religion	2 hrs.
English 29	4 hrs.	Religion	2 hrs.	Psychology 11	5 hrs.
Zoology 18	3 hrs.	Chemistry 11	3 hrs.		
		English 21 (or 16)	2 hrs.		
Total 17 hrs.		Total 17 hrs.		Total 17 hrs.	

Junior Year

Autumn		Winter		Spring	
Religion	2 hrs.	Religion	2 hrs.	Religion	2 hrs.
Chemistry 71	6 hrs.	Chemistry 72	6 hrs.	Zoology 72	3 hrs.
Zoology 56	5 hrs.	Bacteriology 21 and 22	5 hrs.	History 21 or equivalent	5 hrs.
German or French	5 hrs.	German or French	5 hrs.	German or French	5 hrs.
or elective		or elective		or elective	5 hrs.
				Sociology 70 or equivalent	3 hrs.
Total 18 hrs.		Total 18 hrs.		Total 18 hrs.	

PRE-LEGAL COURSE

Advisers: Christen Tensen, Elmer Miller, J. Reuben Clark III.

The Association of American Law Schools which is composed of the leading law schools in this country makes no specific requirement concerning the content of pre-legal courses of study. It does suggest that a college student should be given a thorough mental training in fundamental subjects. A pre-legal student should lay a foundation for a broad culture, develop intellectual discipline, and cultivate professional standards of study. The more important problems confronting lawyers, judges, and legislators are basically economic, political, and social. A law student should acquire not only a knowledge of legal doctrine and of the judicial processes but also of the above mentioned fields of study.

The following important advice given by a leading law school may well be brought to the attention of pre-legal students:

"Few ideas are more fallacious or harmful than the notion that it is possible to dawdle through high school and college and then make the adjustment to higher standards promptly upon entering the professional school. Essential habits of concentration and effective methods of study must be acquired and developed during the pre-legal years. Careful reading and the constant exercise of practice in writing should be cultivated assiduously . . . A large proportion of failures in the professional school may be traced directly to the neglect of opportunities in school and college."

Maturity of thought is of particular importance in the study of law. Therefore, since the standard law course calls for careful, analytical, reasoned judgment, only relatively mature students should plan to enter a law school.

The preparation for the study of law is largely an individual problem. A general formula is only of limited assistance. All students who contemplate the study of law should therefore consult the advisers to pre-legal students for more detailed advice and information.

Upper Division Registration

At least by the beginning of the junior year students should select their major department and seek the aid of the major professor as well as the Dean in matters of registration. Students may select their majors from any of the following departments in the College of Arts and Sciences: Bacteriology, Botany, Chemistry, English, Geology and Geography, History, Journalism, Mathematics, Modern and Classical Languages, Physics, Political Science, Psychology, Sociology, and Zoology and Entomology. The degrees, Bachelor of Arts and Bachelor of Science are given to graduates of this College.

Departments of Instruction

Bacteriology

*Professor Martin; Associate Professors Anderson,
Assistant Professor Wallace; Dr. Weight*

Bacteriology is one of the subjects comprising the composite major in **Biological Science** designed for prospective teachers and described in the section entitled "Colleges" in the introduction to the catalogue.

Lower Division Courses

21. **General Bacteriology.** Autumn, Winter. M. W. F., 9:00. Three credit hours. Martin. Autumn, Winter, Spring, 10:00. Anderson.

This course will consist of a study of the general characteristics of microorganisms and their relation to man.

22. **General Bacteriology Laboratory.** Autumn, Winter, and Spring. T. Th. Sec. I 1:00-3:00. Sec. II 3:00-5:00. Two credit hours. Anderson.

Laboratory course in general bacteriology, designed to accompany Bacteriology 21.

Upper Division Courses

60. **Sanitation and Public Health.** Spring. W. F., 8:00; Lab., W., 2:00-4:00. Three credit hours. Anderson.

A study of the application of sanitary and public health practices to the health of the individual and the community.

62. **Bacteriology of Milk.** Autumn. W. F., 8:00. Lab. Th., 1:00-3:00. Three credit hours. Anderson.

Attention is given to the bacteria of milk and milk products in general, and also their relation to disease. Prerequisites: Bacteriology 21, 22.

69. **Food Bacteriology.** Spring. M. W. F., 8:00. Lab., T. Th., 1:00-3:00. Five credit hours. Anderson and Wallace. (Not given this year.)

A study of microorganisms responsible for food, spoilage; principles of food preservation and processing; bac-

teriological control of food products. Recommended prerequisite: Nutrition 5, Bact. 21, 22.

73. Clinical Diagnosis. Spring. Three credit hours. Weight.

A course designed to acquaint students with work done in hospital and clinical laboratories. Prerequisites: Bacteriology 81, 83.

74. Clinical Diagnosis Laboratory. Spring. Two credit hours. Weight.

Laboratory work done in an accredited hospital laboratory.

81. Medical Bacteriology and Immunology. Winter. M. W. F., 10:00. Three credit hours. Anderson.

An advanced course in bacteriology designed for those who desire information about human diseases and who are preparing for the professions of nursing, public health, dietetics, and medicine. Prerequisites: Bacteriology 21, 22, and Nutrition 5.

83. Medical Bacteriology and Immunology Laboratory. Winter. W. F., 1:00-3:00. Two credit hours. Anderson. Prerequisites: Bacteriology 22, 81.

Bacteriology 86, 87, 88. Applied Clinical Diagnosis Laboratory. Five hours each quarter for each course. Martin and Anderson.

This work is done in an approved hospital laboratory during a year's practical intern work. The hospital is accredited by the American Medical Association through its council of Medical Education and hospitals. Its pathologists are recognized by the American Society of Clinical Pathologists. The training includes applied clinical bacteriology, serology, parasitology, micrology, hematology, micro-technique, clinical laboratory methods, and clinical biochemistry. The final credit is allowed when a statement is received from the approved pathologist that the student has completed the intern year and is eligible to take the examinations of the American Society of Clinical Pathologists.

92 Soil Microbiology. Spring. M. W. F., 8:00; Lab., W. F., 1:00-3:00. Five credit hours. Martin.

A lecture and laboratory course designed to acquaint the student with microorganisms in relation to soil fertility. Prerequisites: Bacteriology 21; Agronomy 41, 52; Chemistry 10, 11.

96. **Seminar.** Th., 12:00. One credit hour each quarter. Anderson and Martin.

98. **Special Problems in Bacteriology.** Spring. Credit and subject matter to be arranged. Martin and Anderson.

Problems having to do with determinative bacteriology, algae and fungi activities in soil, fermentation, disinfection and antiseptic studies, organisms which infect the nose and throat, food and fomite studies will constitute the burden of the course. Types of problems selected will be based upon the previous preparation of the student.

Graduate Courses

151. **Systematic and Determinative Bacteriology.**

181. **Pathogenic Bacteriology.**

182. **Pathogenic Bacteriology Laboratory.**

192. **Soil Microbiology.**

193. **Soil Microbiology Laboratory.**

196. **Seminar.**

197. **Research.**

198. **Special Problems.**

200. **Thesis.** Credit to be arranged.

Botany

Professors Harrison, Stewart; Mr. Castle.

Students majoring in Botany should present credit in Botany 1, 3, 21, 50, 51, 52, 54, 60, 80, 83, 95, 96.

Students who desire to teach biology in high school may select a major in either the Botany or Zoology department. The following courses should be completed as a minimum: Botany 1, 2, 3, 5, 60, and 88. Bacteriology 21, Zoology 11, 18, 30, 45, 57, or 59.

Students interested in range management should take the following courses: Botany 1, 2, 3, 23, 60, 70, 80, and 83; Agronomy, 41, 57, 73, 75; Animal Husbandry 4, 5; Landscape Architecture 1, Zoology 11, 53, 57; Entomology 30; Engineering 3, 4, 45.

Botany is one of the subjects comprising the composite major in **Biological Science** designed for prospective teachers.

Lower Division Courses

1. **General Botany.** Autumn, Winter, or Spring. M. W. F. 9:00. Laboratory, Sec. 1, T. Th., 1:00-3:00; Sec. 2, 3:00-5:00. Five credit hours. Harrison and Castle.

A course dealing with the fundamentals of the structure, physiology and reproduction of plants. Prerequisite course to further work in the field of plant life. Also recommended for the non-science student.

2. **General Botany.** Winter. M. W. F., 8:00. Laboratory, F., 1:00-4:00. Four credit hours. Castle.

An introduction to members of the plant kingdom exclusive of seed-plants. The habitat, structure, and life-history of members of a representative series of algae, fungi, mosses, and ferns are considered.

3. **Classification of Plants.** Spring. M. W. F., 11:00. Laboratory, M. W., 1:00-3:00. Five credit hours. Harrison.

The classification of seed plants and ferns of the Wasatch region to acquire a familiarity with the general principles of systematic botany, to learn the distinctive characteristics of the larger groups of plants, and to develop skill in the use of manuals.

5. **Trees and Shrubs.** Spring. M. W. F., 8:00. Three credit hours. Harrison and Castle.

The names and characteristics of the common trees and shrubs and their usages in commerce and as ornamentals. The cultivated species are stressed, but native species are also considered from the point of view of their classification and possible usages. This is primarily a field course.

21. **Anatomy.** Autumn. M. W. F., 1:00-3:00. Three credit hours. Harrison.

An introductory course in the origin, development, and maturation of the structures of vascular plants. Prerequisite: Botany 1.

23. **Range Forage Plants.** Spring. T. 8:00. Laboratory T. Th., 1:00-3:00. Three credit hours. Harrison.

Native and cultivated grasses and other plants useful as forage are treated from the standpoint of their systematic classification, ecology, distribution, and relative value. (See Agronomy 23.)

25. **Plant Histology.** Winter. T. Th., 8:00. Three credit hours. Harrison.

A laboratory course in the technique of preparing, cutting, staining, and mounting tissues for microscopic examination. Prerequisite: Botany 1.

Upper Division Courses

50. **Morphology of Algae.** Autumn. M. W. F., 10:00-12:00. Three credit hours. Castle.

A study of the morphology, life histories, classification, and relation of the main groups of algae. Prerequisite: Botany 1. (Not given this year.)

51. **Morphology of Fungi.** Autumn. M. W. F., 10:00-12:00. Three credit hours. Castle.

A study of the development, morphology, and relationships of representative fungi. Prerequisite: Botany 1.

52. **Morphology of Bryophytes, and Pteridophytes.** Winter. M. W. F., 10:00-12:00. Three credit hours. Castle.

A study of morphology, life histories, and relationships of the liverworts, mosses, and ferns. Prerequisites: Botany 1, 21.

- 54. Morphology of Spermatophytes.** Spring. M. W. F., 10:00-12:00. Three credit hours. Castle.

A study of the morphology, life histories, classifications, and relationships of the higher plants. Prerequisites: Botany 1, 21.

- 60. Plant Physiology.** Winter. M. W. F., 10:00. Laboratory, M. W., 1:00-4:00. Five credit hours. Harrison.

A lecture and laboratory course in physiology of plants, covering such topics as absorption, transpiration, synthesis of foods, digestion, and growth. Prerequisites: Botany 1; Chemistry 4, or its equivalent recommended.

- 70. Plant Pathology.** Autumn. M. W. F., 11:00. Laboratory, T. Th., 1:00-3:00. Five credit hours. Harrison.

This course deals with the important diseases of cultivated plants, and with their identification, causes, and methods of control. Prerequisite: Botany 1.

- 80. Plant Ecology.** Autumn. M. W. F., 8:00. Field trip or laboratory period. F., 1:00-4:00. Five credit hours. Harrison and Stewart.

The plant in relation to its environment and its adaptation to the factors of soil and climate; plant communities and succession of various types of vegetation. Prerequisite: Botany 1.

- 83. Field Ecology.** Spring. M., 3:00, and field trip extending over several days. Two credit hours. Harrison.

The ecology of various types of desert vegetation and the field methods of making vegetation surveys and charting them on base maps.

- 85. Plant Geography.** Winter. M. W. F., 10:00. Three credit hours.

A lecture course dealing with the relation of plants to their environment, their geographic distribution, and problems of distribution. Prerequisite: Plant Classification and Ecology recommended. (Not given this year.)

- 86. Experimental Ecology.** Spring. T. Th., 9:00. Laboratory. F., 1:00-3:00. Three credit hours. Harrison.

A course dealing with the behavior of plants under measured and controlled environmental conditions. Prerequisite: Botany 60, 80.

88. **Conservation of Natural Resources.** Time to be arranged. Three to five credit hours. Stewart.

The need for, and the means of providing conservation of forests, shrubs, range forage, and other plant cover as they affect land-use management. The inter-relations of vegetation on water supplies and uses, on soil preservation, on livestock, and wildlife management, and on recreation are considered. Conservation of coal, minerals, and oil.

92. **Soil Microbiology.** (See Agronomy 92.) (Not given this year.)

93. **Soil Microbiology Laboratory.** (See Agronomy 93.) (Not given this year.)

95. 96. **Seminar.** Autumn, Winter. M., 3:00. One credit hour each quarter. Harrison, Castle.

Required of all majors in their junior and senior years.

97. **Special Problems in Botany.** One to five credit hours. Time and credit to be arranged. Harrison, Castle.

Graduate Courses

153. **Advanced Special Morphology.** Time and credit to be arranged.

Critical studies in the morphology of special groups.

170. **Plant Pathology.**

183. **Field Ecology.** Time and credit to be arranged.

186. **Experimental Ecology.**

188. **Conservation of Natural Resources.**

189. **Range and Forest Ecology.** Autumn, Spring, or Summer. One to four credit hours. Stewart.

Distribution of desert and mountain plants as influenced by the climate and soil environments. Graduate students may be admitted by application for a thesis problem in the field.

192. **Soil Microbiology.**

193. **Soil Microbiology Laboratory.**

- 195, 196. **Seminar.**

197. **Special Problems in Botany.**

200. **Thesis Research.** Any quarter. Four to six credit hours. Harrison and Castle.

Independent research on a thesis problem and the writing of the thesis.

Chemistry

Professor Nicholes; Professor Emeritus Maw; Associate

Professor Bryner, Peterson; Assistant Professor

Wing

Students majoring in chemistry should satisfy the minimum recommendations of the American Chemical Society for the bachelor's degree. These recommendations are: Chemistry 4, 5, 6, 10, 11, 62, 51, 52, 53, 71, 72, 73, 81, 82, 83 and 90, 91, 92; Mathematics 11, 12, 13; 50, 51, 52; Physics 41, 42, 43; German or French 24 hours.

For a teaching major in chemistry the following courses are suggested: Chemistry 4, 5, 6, 10, 11, 22, 51, 52, and 53.

Requirements for pre-medical students majoring in chemistry are: 4, 5, 6a, 10, 11, 71 and 74, 72 and 75.

Chemistry is one of the subjects comprising the composite major in Mathematics and the Physical Sciences designed for prospective teachers.

LOWER DIVISION COURSES

1. **A Survey Course in Chemistry.** Autumn, Winter, Spring. M. W. F., 10:00. Three credit hours. Peterson.

For students other than science majors who desire a knowledge of chemistry for its cultural value. Students who have had high school chemistry should register for Chemistry 4.

4. **General Chemistry.** Autumn, Winter. Five credit hours. Staff.

Section 1, M. W. F., 8:00; Laboratory T. Th., 8:00-10:00. Staff.

Section 2, M. W. F., 2:00; Laboratory T. Th., 1:00-3:00. Staff.

Quiz Section. Staff.

A general course in the basic principles of chemistry.

5. **General Chemistry.** Autumn, Winter, Spring. Five credit hours.

Winter, Spring: Section 1, M. W. F., 8:00; Laboratory T. Th., 8:00-10:00. Nicholes.

Autumn, Winter, Spring: Section 2, M W. F., 2:00; Laboratory T. Th., 1:00-3:00. Peterson.

Quiz Sections. Staff.

A continuation of Chemistry 4.

- 6. Qualitative Analysis.** Autumn, Spring, Summer. Five credit hours.

Autumn: T. Th., 8:00; Laboratory M. W. F., 8:00-10:00. Wing.

Spring: T. Th., 8:00; Laboratory M W. F., 8:00-10:00 or 1:00-3:00. Staff.

A course in the principles and practices of qualitative chemical analysis.

- 6a. Qualitative Analysis.** Autumn or Spring. Three credit hours. M. W., 2:00. One three-hour laboratory to be arranged. Nicholes.

A brief course in qualitative analysis emphasizing properties of solutions and colloidal dispersions. Intended primarily for students in premedicine and pre-dentistry.

- 10. Elementary Quantitative Analysis.** Autumn, Winter. Three credit hours. Wing.

Autumn: M. 2:00; Laboratory M. W., 3:00-5:00.

Winter: W. 2:00; Laboratory T. Th., 3:00-5:00.

Gravimetric Analysis, Prerequisites: Chemistry 6 and College Algebra.

- 11. Elementary Quantitative Analysis.** Winter, Spring. Three credit hours. Wing.

Winter: M. 2:00; Laboratory M. W., 3:00-5:00.

Spring: W. 2:00; Laboratory T. Th., 3:00-5:00.

Volumetric Analysis. Prerequisites: Chemistry 6 and College Algebra.

- 21. Introductory Inorganic Chemistry.** Autumn. Five credit hours. Bryner.

Section 1, M. W. F., 9:00; Laboratory M. W., 3:00-5:00.

For those who have not had high school chemistry.

Section 2, M. W. F., 11:00; Laboratory T. Th., 3:00-5:00.

For those who have had high school chemistry.

- 22. Introductory Organic Chemistry.** Winter. Five credit hours. Bryner.

Section 1, M. W. F., 9:00; Laboratory M. W., 3:00-5:00.

Section 2, M. W. F., 11:00; Laboratory T. Th., 3:00-5:00.

- 23. Introductory Biochemistry.** Spring. M. W. F., 11:00; Laboratory T. Th., 3:00-5:00 or M. W., 3:00-5:00. Five credit hours. Bryner.
- 51, 52, 53. Principles of Chemistry.** Autumn, Winter, Spring. T. Th., 10:00. Two credit hours. Nicholes.
- A lecture course in second year college chemistry. Prerequisites: Chemistry 4, 5, and 6, and Mathematics 11, 12, and 13. Required of chemistry majors. Recommended to accompany chemistry 10, 11, and 62.
- 54. Soil Chemistry.** Spring. M. W. F., 3:00. Three credit hours. Nicholes.
- A course dealing with the soil colloidal condition, soil physico-chemical phenomena, and soil reactions. Prerequisites: Quantitative Chemical Analysis, Agronomy 41, and Physics 41, 42, 43.
- 55. Soil Chemical Analysis.** Winter. Time to be arranged. Three credit hours. Wing or Nicholes.
- The theory and practice of the chemical analysis of soils. Prerequisites: Chemistry 10 and 11.
- 57. Food Chemical Analysis.** Spring. T. Th., 9:00. Laboratory M. W. F., 3:00-5:00. Five credit hours. Bryner.
- An elementary course in the analysis of foods.
- 62. Quantitative Analysis.** Spring. M., 2:00; Laboratory M. W., 3:00-5:00. Four credit hours. Wing.
- Continuation of Chemistry II. Includes electrolytic processes, lectures and demonstrations of special methods.
- 71, 72, 73. Organic Chemistry.** Autumn, Winter, Spring. M. W., 11:00; Laboratory T. Th., 3:00-5:00. Four credit hours. Maw.
- A study of carbon compounds. Laboratory experiments in the syntheses and reactions of the different classes of organic compounds.
- 74, 75. Qualitative Organic Analysis.** Autumn, Winter. F., 11:00, and one three-hour laboratory period, time to be arranged. Two credit hours. Maw.
- Practice in identifying pure organic compounds and simple mixtures by analysis, physical properties, and the preparation of derivatives.
- 76. Organic Preparations.** Autumn, Winter, Spring. Time to be arranged. Two or three credit hours. Maw.

- 77, 78. Biochemistry.** Autumn, Winter. M. W. F., 9:00. Laboratory M. W. F., 3:00-5:00. Five credit hours.

The constitution and reactions of the proteins, fats, carbohydrates, and other compounds of biological significance. The chemistry of enzyme actions, digestion, absorption, blood, metabolism, excretion and nutrition. The laboratory work of the second quarter consists of quantitative blood and urine analysis.

- 79. Biochemistry.** Spring. T. Th., 9:00. Laboratory time to be arranged. Three credit hours.

The fundamental principles and techniques of experimental animal nutrition. Small animal feeding experiments are conducted with emphasis placed upon protein, mineral, and vitamin requirements.

- 80. Zymo-Chemistry.** Winter. M. W. F., 10:00. Laboratory time to be arranged. Four credit hours. Bryner.

Chemistry of fermentation with special reference to the production of chemicals and industrial materials from agricultural products. Prerequisites: Chemistry 71, and Bacteriology 21.

- 81, 82, 83. Physical Chemistry** Autumn, Winter, Spring. M. W. F., 10:00, one three-hour laboratory period, time to be arranged. Four credit hours each quarter. Bryner.

This course deals with properties of gases, liquids, solids, solutions; thermochemistry; reaction velocity; electrochemistry; equilibrium, and colloids. Prerequisites: Physics 43, Calculus, and Chemistry 11.

- 90, 91, 92. Seminar.** Autumn, Winter, Spring. M., 4:00. One credit hour. Staff.

Open to advanced undergraduates and required of seniors.

- 97. Special Problems.** Time and credit to be arranged. Registration by permission.

GRADUATE COURSES

- 106. Studies in the History of Chemistry.** Spring. W. F., 1:00. Two credit hours.

- 151. Inorganic Chemistry:** Autumn. M. W. F., 11:00. Three credit hours.

A study of the chemical elements, the physical basis of

the periodic system, compound formation and complex substances.

162 Quantitative Analysis. (See Chemistry 62)..

163. Advanced Quantitative Analysis. Autumn. Time to be arranged. Two to ten credit hours. Maw and Wing.

The analysis of typical minerals, including silicates. Written reports.

164. Advanced Qualitative Analysis. Autumn. Six hours laboratory work. Time to be arranged. Three credit hours. Staff.

Laboratory exercises include anions, cations, complexions, and some of the rare elements. Micro and semi-micro techniques are employed.

166. Special Methods of Chemical Analysis. Autumn, Winter, Spring. Time to be arranged. Two credit hours. Wing.

(a) Water. Analysis of water for industrial purposes.

(b) Eletrolytic. Analysis by electrolytic methods.

(c) Assaying. Fire and wet methods of assaying.

(d) Metallurgical. Analysis of iron and steel, ferro-alloys, non-ferrous, alloys, slags, etc.

(e) Fuel and gas. Analysis of coal, coke, gases, etc.

(f) Agricultural. Analysis of agricultural products, including fertilizers, grains, feeds, etc.

(g) Foods, Analysis of foods by the official and standard methods and detection of adulterants.

(h) Clinical Analysis of blood, urine, intestinal contents, feces, etc.

167, 168. Micro-Chemical Analysis. Winter, Spring. Two three-hour laboratory periods. Time to be arranged. Three credit hours. Wing.

Training in the essential manipulative technique for qualitative analysis and determinations by micro-chemical methods.

Prerequisite: Consent of instructor.

171. Advanced Organic Chemistry. Spring. Time to be arranged. Two credit hours.

A lecture course in theoretical organic chemistry.

173. **Organic Preparation.** Winter or Spring. Time to be arranged. Two or three credit hours. Maw.
174. **Qualitative Organic Analysis.** Autumn. Time to be arranged. One lecture or conference period. Two three-hour laboratory periods. Three credit hours. Maw.
175. **Quantitative Organic Analysis.** Winter. Two three-hour laboratory periods. Time to be arranged. Two credit hours. Wing.
176. **Organic Preparations.** Winter or Spring. Two or three credit hours. Time to be arranged. Maw.
- 177, 178, 179. **Biochemistry.** (For description see Chemistry 77, 78, 79.) Time to be arranged. Maw.
180. **Zymo-Chemistry.** Winter. M. W. F., 10:00; Laboratory, time to be arranged. Four credit hours. Bryner.
- 181, 182, 183. **Physical Chemistry.** Autumn, Winter, Spring, M. W. F., 2:00. One three-hour laboratory period, time to be arranged. Four credit hours. (See Chemistry 81, 82 83, for description.)
- 184, 185, 186. **Advanced Physical Chemistry.** Autumn, Winter, Spring. T. Th., 11:00. Four credit hours. Staff.
- The more important phases of Physical Chemistry from the standpoint of thermodynamics. Autumn quarter includes gases, solutions, and solids. Winter: Thermochemistry and phase rule. Spring: Free energy and electrochemistry. Prerequisite: Chemistry 83.
- 190, 191, 192. **Graduate Seminar.**
197. **Research. Special Problems.** Time and credit to be arranged. Staff.
200. **Thesis.** Time and credit to be arranged.

English

Professors Christensen, Rowe, Young; Associate Professor Carroll, Spears; Assistant Professors Britsch, Tanner, Cheney, Jacobs; Mrs. Rich, Mr. Rice, Mr. Taylor, Miss Waterstradt.

SCOPE OF INSTRUCTION

The English department offers courses in English language, English literature, American literature, and general and comparative literature. For convenience the courses in general and comparative literature are brought together.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

Students who elect their major in English are required to complete thirty-six hours of work in English in addition to English 1, 2, 3. The following program of study is prescribed: (1) twenty hours from courses 54, 55, 71, 72, 73, 74, 75, four of which must be in American literature (2) six hours from courses 80, 83, 84, 85, 86, 87, 88, 89; (3) four hours from courses 81, 95, 97; (4) four hours from courses 24, 82; (5) three hours from courses 12, 50, Journalism 52.

Students may, however, make substitutions as follows: 15 and 16 for 54 or 55; 60 for 72, 90 for 74, 91 for 75.

Twenty-four hours in one or more foreign languages are required. The following courses in other departments are recommended: History 90, 91, and 92; Psychology 11; and Phonetics 42.

Courses 20, 21, and 22 are not open to students who elect their major in English. For students who minor in English and who may teach the subject, the department recommends the following as a minimum program: 11, 12, 15, 16, 20, 21, 22, 24, or 82.

Students making English a minor and desiring the recommendation of the department to take secondary training in English must show satisfactory credit in courses 11 and 12 or their equivalent.

THE "TEACHING MAJOR" IN ENGLISH

The requirements for the "teaching major" in English and for the regular major are the same except that the foreign language requirements may be reduced or waived by the department to meet the special needs of some prospective teachers. Such reductions or waivers would necessitate, of course, the substitution of the Bachelor of Science degree for the degree of Bachelor of Arts.

English is one of the subjects comprising the composite major in **Language Arts** designed for prospective teachers.

Requirements for the Degree of Master of Arts

Candidates for the degree of Master of Arts in English must have met the requirements for the degree of Bachelor of Arts or their equivalent. They must offer upper division or graduate credit in Old English, Chaucer, Shakespeare, and History of the English Language; they must have, exclusive of thesis credits, at least twenty hours of graduate credit in English; they must write a satisfactory thesis, and pass a comprehensive oral examination in the field of English language and literature.

Placement Tests for Freshman English

In Freshman English, consideration is given to the individual needs of students. To determine these needs all freshmen are required to take a placement test at the time of registration. Assignments to classes are made after this test.

Lower Division Courses

- a. **English Grammar and Composition.** Autumn, Winter. T. Th., Time to be arranged. No credit.

A course supplementary to English 1 required of students who make unsatisfactory grade in English placement test.

1. **Composition and Literature.** Autumn. M. W. F., Classes available at 8:00, 9:00, 10:00, 11:00, 1:00, 2:00, and 3:00. Three credit hours.

Review of grammar, study of the principles of composition, theme writing, and reading in literature.

2. **Composition and Literature.** Winter. Sections and time the same as in course 1. Three credit hours.
Continuation of Course 1.
3. **Composition and Literature.** Spring. Sections and time the same as in courses 1 and 2. Three credit hours.
Continuation of course 2.
4. **Business English.** Autumn, Winter. M. W. F. Three credit hours. (See Office Practice 31.)
The substance and style of business English; correctness of diction; business forms and usages. Prerequisites: English 1, 2, 3.
11. **Advanced English Grammar.** Autumn. M. T. W. Th., 1:00. Four credit hours. Young.
Prerequisites: English 1, 2, 3.
12. **Advanced Rhetoric and Composition.** Autumn. M. W. F., 3:00. Christensen. Spring. M. W. F., 3:00. Cheney. Three credit hours.
Long themes, lectures, conferences, and required reading. Prerequisites: English 1, 2, 3.
14. **Classic Myths.** Autumn. T. Th., 9:00. Two credit hours. Carroll.
A study of Greek, Roman, and Teutonic myths with special reference to their literary use.
15. **Masterpieces of American Literature.** Autumn. T. Th., Two credit hours. Sec. 1, 9:00. Britsch. Sec. 2, 1:00. Taylor.
A survey of American literature from Captain John Smith to about 1865.
16. **Masterpieces of Later American Literature.** Winter. T. Th. Two credit hours. Sec. 1, 9:00. Britsch. Sec. 2, 1:00. Taylor.
17. **Contemporary American Poets.** Spring. T. Th., 2:00. Two credit hours. Britsch.
A study of the principal American poets.
18. **Contemporary American Short Story Writers.** Autumn. T. Th., 8:00. Two credit hours. Cheney.
A study of the principal American short story writers.
19. **Contemporary American Novelists.** Spring. T. Th., 2:00. Two credit hours. (Not given this year.)
A study of the principal American novelists.

20. **Masterpieces of English Literature.** Autumn. T. Th., Sec. 1, 9:00. Tanner. Sec. 2, 2:00. Staff. Two credit hours.
21. **Masterpieces of English Literature.** Winter. T. Th., Sec. 1, 9:00. Tanner. Sec. 2, 2:00. Staff. Two credit hours.
22. **Masterpieces of English Literature.** Spring. T. Th. Sec. 1, 9:00. Tanner. Sec. 2, 2:00. Staff. Two credit hours.
24. **Shakespeare.** Autumn. M. T. W. Th., 2:00. Four credit hours. Young.
A comprehensive study of Shakespeare's poems and plays.
25. **Emerson.** Spring. M. W. F., 10:00. Three credit hours.
(Not given this year.) A study of the author's poetry and prose.
29. **An Introduction to Literature.** Autumn. M. T. W. Th., 9:00. Four credit hours. Christensen
An introductory course in the study and appreciation of literature—poetry and prose.
30. **Wordsworth: The Shorter Poems.** Winter. M. W. F., 10:00. Three credit hours. Rowe.
See General and Comparative Literature, for courses 26, 27, 28, 61, 62, 63, 65, 66, 67, 68, 69.
47. **Short Story Writing.** Winter. T. Th., 8:00. Two credit hours. Cheney. (See Journalism 47.)

Upper Division Courses

50. **The Essay.** Winter. T. Th., 3:00. Two credit hours. Tanner. (Not given this year.)
The origin and growth of the English essay.
51. **The Essay.** Winter T. Th., 3:00. Two credit hours. Tanner. (Not given this year.) A continuation of English 51.
52. **The Contemporary Essay.** Spring. T. Th., 3:00. Two credit hours. Tanner.
A course in present day thought and feeling.
53. **Romantic Prose.** Spring. T. Th., 9:00. Two credit hours. Rowe.
A study of the principal prose writings of the Romantic Movement.

- 54. The American Heritage.** Autumn M. T. W. Th., 1:00. Four credit hours. Jacobs.
A study of writings which have been significant in the American social, economic, and political scene.
- 55. The American Heritage.** Winter. M. T. W. Th., 1:00. Four credit hours. Jacobs.
A continuation of English 54.
- 56. The Novel in America.** Spring. M. T. W. Th., 1:00. Four credit hours. Jacobs.
The emergence of a novel-reading public. The foreign novel in America. The American novelists to Dreiser.
- 57. The Modern American Novel.** Four credit hours. Jacobs.
(Not given this year.)
- 58. Modern Short Biography.** Winter. M. W. F. 1:00. Three credit hours. Young. (Not given this year.)
- 59. Advanced Writing.** Spring. M. W. F., 3:00. Three credit hours. Staff.
An advanced course for students interests in witing verse, drama, prose fiction, or essays. Prerequisite: English 12 or equivalent.
- 60. English Drama to 1642.** Spring. M. T. W. Th., 1:00. Four credit hours. Young.
The beginning and development of English drama, not including Shakespeare, to the closing of the theatre.
- 64. Restoration Drama.** Spring. M. W. F., 9:00. Three credit hours. Young.(Not given this year.)
- 71. Medieval Literature.** Autumn. M. T. W. Th., 8:00. Four credit hours. Christensen.
- 72. English Literature from 1500-1660.** Winter. M. T. W. Th., 2:00. Four credit hours. Young.
- 73. English Literature from 1660-1780.** Autumn. M. T. W., Th., 3:00. Four credit hours. Rice.
- 74. English Literature from 1780-1832.** Winter. M. T. W., Th., 9:00. Four credit hours. Rowe.
- 75. English Literature from 1832-1900.** Spring. M. T. W. Th., 9:00. Four credit hours. Carroll.
- 80. Pope and Dryden.** Winter. M. W. F., 3:00. Three credit hours. Rice.

81. **Chaucer.** Winter. M. T. W. Th., 8:00. Four credit hours. Christensen.
82. **Shakespeare.** Spring. M. T. W. Th., 8:00. Four credit hours. Christensen.
An intensive and critical study of the principal plays.
83. **Milton.** Winter. M. W. F., 9:00. Three credit hours. Christensen.
A study of the author's poetry and prose.
84. **Wordsworth: The Longer Poems.** Spring. M. W. F., 9:00. Three credit hours. Rowe.
The author's theory of poetry and his principal poems will be studied.
85. **Tennyson.** Spring. M. W. F., 9:00. Three credit hours. Carroll.
A study of the author's principal major and minor poems.
86. **Browning.** Spring. M. W. F., 9:00. Three credit hours. Britsch.
87. **Matthew Arnold.** Spring. M. W. F., 11:00. Three credit hours. Christensen.
Study of Arnold's poetry and prose.
88. **Samuel Johnson.** Spring. M. W. F., 1:00. Three credit hours. Young.
A study of Johnson's poems, periodical essays, "Lives of the Poets," and "Rasselas," and of Boswell's "Life of Johnson."
89. **Byron.** Winter. M. W. F., 11:00. Three credit hours. Rowe.
A study of the author's principal works.
90. **Romantic Poetry.** Autumn. M. W. F., 11:00. Three credit hours. Rowe.
A study of romanticism as manifested in the poetry of the eighteenth and nineteenth centuries.
91. **Victorian Prose.** Autumn. M. W. F., 2:00. Three credit hours.
92. **The English Novel.** Spring. M. T. W. Th., 3:00. Four credit hours. Rice.

The history of English prose fiction to the beginning of the Victorian Period.

- 93. The Modern English Novel.** Autumn. M. T. W. Th., 9:00. Four credit hours. Rowe.

A consideration of the technique of the novel and various phases of life reflected in this form of literature.

- 95. Old English.** Winter. M. W. F., 1:00. Four credit hours. Young.

Old English grammar and reading exercises.

- 96. Beowulf.** Spring. M. W. F. Time to be arranged. Three credit hours. Christensen. (Not given this year.)

The entire poem is read in the original. Prerequisite Course 95.

- 97. The History of the English Language.** Spring. M. T. W. Th., 9:00. Four credit hours. Christensen.

A historical and philological study of the language from the Old English period to the present time.

- 98. The Criticism and Appreciation of Literature.** Winter. M. W. F., 10:00. Three credit hours. Christensen.

A study of critical theories and standard of value.

GENERAL AND COMPARATIVE LITERATURE

Lower Division Courses

- 26, 27, 28. Types of World Drama.** Autumn, Winter, Spring. T. Th., 8:00. Two credit hours each quarter. Rowe. (Not given this year.)

The great plays of the world are studied according to type.

Upper Division Courses

- 61. Modern European Drama** (Continental). Autumn M. W. F., 2:00. Three credit hours. Rich
- 62. Modern European Drama.** (British.) Winter. M. W. F., 2:00. Three credit hours.
- 63. Modern Drama.** (American.) Spring. M. W. F., 2:00. Three credit hours.
- 65, 66, 67. Types of World Literature.** Autumn, Winter,

Spring. T. Th., 2:00. Two credit hours each quarter.
Carroll. (Not given this year.)

69. **Poetry.** Spring. M. W. F., 11:00. Three credit hours.
Rowe.

A somewhat technical study of versification, forms, and theories of poetry.

Graduate Courses

153. **Romantic Prose.** Spring. T. Th., 9:00. Two credit hours.
Rowe.

154. **The American Heritage.** Autumn. M. T. W. Th., 1:00.
Four credit hours. Jacobs.

A study of writings which have been significant in the American social, economic, and political scene.

- 155 **The American Heritage.** Winter. M. T. W. Th., 1:00. Four credit hours. Jacobs.

A continuation of English 154.

156. **The Novel in America.** Spring. M. T. W. Th., 1:00. Four credit hours. Jacobs.

The emergence of a novel-reading public. The foreign novel in America. The American novelists to Dreiser.

157. **The Modern American Novel.** Four credit hours. Jacobs.
(Not given this year.)

160. **English Drama to 1642.** Spring, 1:00. Young.

164. **Restoration Drama.** Spring. M. W. F., 9:00. Three credit hours. Young. (Not given this year.)

- 165, 166, 167. **Types of World Literature.** Autumn, Winter, Spring. T. Th., 2:00. Two credit hours each quarter.
Carroll. (Not given this year.)

171. **Medieval Literature.** Autumn. 8:00. Four credit hours.
Christensen.

172. **English Literature from 1500 to 1660.** Winter. 2:00. Four credit hours. Young.

173. **English Literature from 1660 to 1780.** Autumn. 3:00. Four credit hours. Rice.

174. **English Literature from 1780 to 1832.** Winter. 9:00. Four credit hours. Rowe.
175. **English Literature from 1832 to 1900.** Winter. 9:00. Four credit hours. Carroll.
180. **Pope and Dryden.** Autumn. M. W. F., 3:00. Three credit hours. Rice.
181. **Chaucer.** Winter. 8:00. Four credit hours. Christensen.
182. **Shakespeare.** Spring. M. T. W. Th., 8:00. Four credit hours. Christensen.
183. **Milton.** Winter. 9:00. Three credit hours. Christensen.
184. **Wordsworth.** Spring. 9:00. Three credit hours. Rowe.
185. **Tennyson.** Spring. M. W. F., 9:00. Three credit hours. Carroll.
186. **Browning.** Spring. 9:00. Three credit hours. Britsch.
187. **Matthew Arnold.** Spring. 11:00. Three credit hours Christensen.
188. **Samuel Johnson.** Spring. 1:00. Three credit hours. Young.
189. **Byron.** Winter. M. W. F., 11:00. Three credit hours. Rowe.
190. **Romantic Poetry.** Autumn. M. W. F., 11:00. Three credit hours. Rowe.
191. **Victorian Prose.** Autumn. M. W. F., 2:00. Three credit hours. (Not given this year.)
192. **The English Novel.** Spring. 3:00. Four credit hours. Rice.
195. **Old English.** Winter. M. T. W. Th., 1:00. Four credit hours. Young.
196. **Beowulf.** Spring. M. W. F. Time to be arranged. Three credit hours. Christensen. (Not given this year.)
197. **The History of the English Language.** Spring. 9:00. Four credit hours. Christensen.
198. **The Criticism and Appreciation of Literature** Winter. 10:00. Three credit hours. Christensen.
200. **Thesis for Master's Degree.** Time and credit to be arranged.

Geology And Geography

*Professors Hansen, Martin; Assistant Professor Bissell;
Mr. Bullock*

GEOLOGY

Geology 1, 12, 50, 51, 52, 53, 57, 58, and 70; Chemistry 4, 5, and 6; Physics 41, 42, and 43; Mathematics 11, 12; Drawing 6; and Engineering 1, 3 are recommended for students majoring in Geology.

A teaching major in Geology and Geogaphy shall include Geology 1, 12 and twenty-five hours in additional courses approved by the Chairman of the Department.

Geology and Geography are among the subjects comprising the composite majors in Mathematics and Physical Science and in Biological Science designed for prospective teachers.

LOWER DIVISION COURSES

1. **Physical Geology.** Autumn, Winter, Spring. M. T. W. Th. and one laboratory or quiz section. 9:00. Five credit hours. Staff.

A general survey course of the field of physical geology. The common rock-forming minerals and common rocks will be studied in the laboratory. Designed for students who desire a broad introduction to the subject.

12. **Historical Geology.** Winter, Spring. M. T. W. Th., 9:00. Laboratory F., 8:00-10:00; 10:00-12:00; 1:00-3:00; 3:00-5:00 One or two Saturday field trips. Five credit hours. Staff.

A continuation of Geology 1, constituting a study of the history of the earth and the evolution of life forms. Representative fossils will be studied in the laboratory.

13. **Geology of the United States.** Spring. Daily, 9:00. Five credit hours. Hansen.

A study of the stratigraphy, structure, and areal geology of the United States from the geologic maps of representative areas. Prerequisites Geology 1 and 12.

14. **Engineering Geology.** Autumn. M. T. W. Th. and two-hour laboratory Friday and one Saturday field trip. 9:00. Five credit hours. Bissell.

A study of the fundamental principles in geology which relate to engineering practice, including the character of rocks, their use in building, their structure, and their relationship to dam sites, tunnels, underground water, etc. Designed for students of Engineering.

- 15. Introductory Economic Geology.** Winter. M. W. F., 11:00. Three credit hours. Bullock.

A study of the manner of occurrence, origin and uses of the metallic ores and non-metallic mineral products.

- 16. Geomorphology.** Winter M. T. Th. F., and two hours of laboratory, Wednesday. Four credit hours. Staff.

A study of the processes at work on the land surface and the topographic forms produced by them. This course includes practice in the interpretation of topographic maps. Designed for students desiring a broad concept of the field of Physical Geography.

UPPER DIVISION COURSES

- 50. Gemmology.** Autumn, Spring. T. Th., 3:00. Two credit hours. Hansen. (Not given this year.)

A cultural course especially arranged for teachers.

- 51. Mineralogy.** Autumn. M. W. F., 2:00. Laboratory T. Th., 1:00-3:00.0 Five credit hours. Bullock.

A general course in Mineralogy. The laboratory periods will be devoted to crystallography and the identification of the non-silicate minerals by blowpipe analysis. Prerequisite: Chemistry 6, and Geology 1.

- 52. Structural Geology** Winter. Daily, 9:00. Five credit hours. Bissell.

A detailed study of the structural features of the earth's crust and of the forces which have produced these structures. This course includes practice in the interpretation of geologic maps and the solving of structural problems. Prerequisites: Geology 1 and 12.

- 54. Mineral Optics.** Autumn. T. Th., 2:00-5:00. Two credit hours. Bullock.

A study of the principles of mineral identification by means of the petrographic microscope. Prerequisite: Geology 51.

- 55. Petrography.** Winter. T. Th., 2:00-5:00. Two credit hours. Bullock.

A study of the common rocks with the aid of the petrographic microscope. Prerequisite: Geology 54.

56. **Petrology.** Spring. T. Th., 2:00-5:00, and Saturday field trips. Two credit hours. Bullock.

A megascopic study of the common rocks with emphasis upon classification and field identification. Prerequisites: Geology 51.

57. **Soil Geology.** Spring. T. Th., 8:00. Laboratory. W., 3:00-5:00. Three credit hours. Martin. Prerequisite: Geology 1. (See Agronomy 57.)

58. **Field Geology.** Spring. Daily, 2:00. Five credit hours. Bissell.

This course offers training in the methods of geologic field work: practice in measurement of attitude and thickness of formation; use of topographic maps; use of Brunton compass, altimeters, steel tapes. Emphasis placed on use of plane-table and alidade in topographic and geological mapping. Each student will be required to make a topographic and geologic map of a small area in the Wasatch Mountains near the campus. Prerequisites: Geology 52 and Math. 12.

70. **Invertebrate Paleontology.** Winter. M. W. F., 1:00. Laboratory T. Th., 1:00 to 3:00. or 3:00 to 5:00. Five credit hours. Bissell. Prerequisite: Geology 12.

A systematic study of the invertebrate animal kingdom. This course will give an introduction to the study of the structure, mode of life, distribution, and development of the living invertebrates of the past ages. A living example of many of the groups will be used in laboratory to acquaint the student with morphological features. Typical fossils of each group will be studied.

71. **Vertebrate Paleontology.** Winter T. Th., 2:00 and 6 hours laboratory a week. Five credit hours. Hansen. Prerequisite: Geology 12. (Not given this year.)

72. **Physical Anthropology.** Winter. T. Th., 3:00. Laboratory to be arranged. Three credit hours. Hansen. Prerequisite: Geology 12.

73. **Sedimentology.** Autumn. Lecture and laboratory to be arranged. Three credit hours. Bissell. Prerequisite: Geology 52.

The origin, constitution, and relationships of sediments; attention is given to the processes of sedimentation and their results. The theory and application of various tech-

niques will be applied in the laboratory in studying sediments and sedimentary rocks. Students will learn to sample sediments from Provo River and Utah Lake, analyze the sediments, and interpret the results.

- 74 Stratigraphy and Fossils of the Wasatch.** Spring. Time to be arranged. Eight hours field work or laboratory. Bissell. Prerequisite: Geology 70.

The origin, constitution, and relationships of the sedimentary rocks and their enclosed fossils of the Wasatch Mountains. Application of stratigraphic paleontology of the Wasatch area.

- 90. Ore Deposits.** Spring. Daily, 8:00. Five credit hours. Bullock.

A study of the geologic occurrence and relationships of the ore minerals. Prerequisites: Geology 51 and 52.

- 91. The Non-Metallic Minerals.** Autumn. Daily, 8:00. Five credit hours. Bullock.

- 92. Geology of Ground Water.** Winter. Daily, 8:00. Five credit hours. Staff. Prerequisite: Geology 51.

- 96. Readings in Geology.** Any quarter. One to six credit hours, no more than one hour any quarter. Hansen.

GRADUATE COURSES

- 101, 102, 103. Research.** Hours and credit to be arranged. Staff. Special problems in the field of Geology will be assigned to students prepared to do original work.

- 110. Geology of Utah.** Autumn. T. Th., 2:00, and three long, field trips, the expense of which is borne by the students. Three credit hours. Staff. Prerequisite: Geology 52. (Not given this year.)

- 151. Advanced Work in Mineralogy.** Time and credit to be arranged. Prerequisite: Geology 51. Bullock.

- 152. Problems in Structural Geology.** Time and credit to be arranged. Bissell. Prerequisite: Geology 52.

- 153. Engineering Problems in Geology.** Time and credit to be arranged. Hansen and Bissell. Prerequisite: Geology 53.

- 170. Special Problems in Invertebrate Paleontology.** Six hours of laboratory work by arrangement. Three credit hours. Bissell.

171. **Special Problems in Vertebrate Paleontology.** Six hours of laboratory work by arrangement. Three credit hours. Hansen.
190. **Special Problems in Metals.** Time and credit to be arranged. Hansen and Bullock. Prerequisite: Geology 90.
191. **Special Problems in Non-Metals.** Time and credit to be arranged. Hansen and Bullock. Prerequisite: Geology 91.
200. **Thesis Work.** Not more than six credit hours. Staff.

Geography

LOWER DIVISION COURSES

20. **Introductory Geography.** Autumn. M. W. F., 11:00. Five credit hours. Hansen.
21. **Human Geography of Utah.** Winter M. W. F., 11:00. Three credit hours. Hansen.
The response man has made to his geographic environment.
24. **Cartography and Map Interpretation.** Autumn. M. W. F., 9:00 Three credit hours. Staff.
A study of the kinds and uses of maps, their construction, and interpretation. (Not given this year.)

UPPER DIVISION COURSES

62. **Geography of North America.** Autumn. M. W. F., 11:00. Three credit hours. Staff. Prerequisite: Geography 20. (Not given this year.)
63. **Geography of Latin America.** Winter, M. W. F. 11:00. Three credit hours. Staff. Prerequisite: Geography 20. (Not given this year.)
64. **Geography of Europe.** Spring. M. W. F., 11:00. Three credit hours. Staff. Prerequisite: Geography 20. (Not given this year.)
65. **Geography of Asia.** Spring. M. W. F., 11:00. Three credit hours. Staff. Prerequisite: Geography 20.

86. **Readings in Geography.** Any quarter. One to six credit hours, no more than two hours of which may be taken in any one quarter. Staff.

GRADUATE COURSES

- 105, 106, 107. **Research.** Hours and credit to be arranged. Staff
Under this course special problems may be assigned students who are prepared to do original work in the field of Geography.
111. **Physiography of Utah.** Time and credit to be arranged. Hansen.
Deals with the present surface forms of Utah and how they came to be developed.
121. **Special Problems in Human Geography of Utah.** Time and credit to be arranged. Hansen.
122. **Special Problems in Environmental Geography.** Time and credit to be arranged. Staff.
123. **Special Problems in Economic Geography.** Time and credit to be arranged.
162. **Special Problems in Geography of North America.** Time and credit to be arranged. Staff.
163. **Special Problems in Geography of Latin America.** Time and credit to be arranged. Staff.
164. **Special Problems in Geography of Europe.** Time and credit to be arranged. Staff.
165. **Special Problems in Geography of Asia.** Time and credit to be arranged. Staff.
186. **Readings in Geography.** Any quarter. One to six credit hours, no more than two hours of which may be taken in any one quarter. Staff.
200. **Thesis Work.** Not more than six credit hours. Staff.

History

Professor Jensen, Professor Emeritus Snow, Professor R. B. Swensen; Assistant Professor Nibley; Mr. Carr.

Requirements for Major in History

A History major requires the completion of 45 hours of work in this field. History 10, 11, 12, 20, 21, are required courses and should be completed by the end of the sophomore year. The additional work shall consist of upper division courses which will be chosen by the student with the consent of the major professor.

History 1 cannot be used in meeting the requirements for a major in history.

A student deciding to major in History must immediately consult the head of the department who will determine, in consultation with the student, upon the minor field of work.

History is one of the subjects comprising the composite major in **Social Science** designed for prospective teachers and described in the section entitled "Colleges" in the introduction to the catalogue.

Lower Division Courses

1. **History of Civilization.** Five credit hours. Autumn. Daily, 1:00. Carr.

An orientation course covering all phases of human achievement. Cultural and constructive forces are of chief consideration. The survey is universal in time and place. (History 1 may not be applied toward a history major.)

10. **Ancient Civilization.** Autumn. Daily, 8:00. Five credit hours. R. B. Swensen

A survey of early civilization dealing with the important oriental, Greek, and Roman states.

11. **Medieval and Early Modern Europe.** Winter. Daily, 8:00. Five credit hours. R. Swensen.

A study of the political, social, economic, and religious institutions from the disintegration of the Roman Empire to 1650.

- 12. Modern and Contemporary Europe.** Spring. Daily, 8:00. Five credit hours. R. Swensen.

An examination of the political, economic, social, and cultural changes since 1650 which have resulted in the development of present day Europe.

- 20. History of the United States to 1865.** Winter. Daily, 1:00. Five credit hours. Carr.

Problems of discovery, exploration, and colonization; the American Revolution; the Constitution of the United States; the new national government; foreign affairs and the Monroe Doctrine; problems of the West, nullification and slavery.

- 21. History of the United States since 1865.** Spring. Daily, 1:00. Five credit hours. Carr.

Causes of the Civil War; secession; problems of the Civil War and reconstruction; the new economic era; a new imperialism; the United States and the First World War; post-war problems; relationship of United States to the present world conflict.

Upper Division Courses

- 50. Early Oriental History.** Autumn. M. W. F., 9:00. Three credit hours. R. B. Swenson (Not given this year)

A study of ancient civilization including Egypt, Babylonia, Assyria, China, India, Arabia, Persia; also of the Hebrews, and other oriental races. The course is helpful to those especially interested in the Jewish scripture.

- 51. Greek History.** Winter. M. W. F., 9:00. Three credit hours. R. B. Swensen. (Not given this year.)

A study of the social, cultural, economic, and political developments of the Greek people from the early heroic age down to Alexander. Major emphasis on phases of Greek culture which have influenced Western civilization.

- 52. Roman History.** Spring. M. W. F., 9:00. Three credit hours. R. B. Swensen. (Not given this year.)

A survey extending from the rise of the Republic to the reign of Justinian. Special consideration will be given to the economic, social, cultural, and political forces, which brought about the growth and decline of the Empire.

- 62. Medieval History.** Autumn. M. W. F., 9:00. Three credit hours. R. B. Swensen.

Survey of the period from the disintegration of the Roman Empire to 814. Emphasis will be placed on the development of the Papacy, the Growth of Monasticism, the conversion of the barbarians and the significant reign of Charlemagne.

63. **History of Europe, 814-1250.** Winter. M. W. F., 9:00. Three credit hours. R. B. Swensen.

A study of the social, economic, and religious changes implicit in Feudalism, the Crusades, and the rise of cities.

64. **Close of the Middle Ages, 1250-1555.** M. W. F., 9:00. Three credit hours. R. B. Swensen.

Emphasis in this period will be placed on the rise and growing power of the Third Estate, the Renaissance, the Reformation, and the emergencies of monarchical states.

70. **History of Europe, 1556-1815.** Autumn. M. W. F., 10:00. Three credit hours. Jensen.

A study of the revolutionary ideas that challenged the traditional views in science, theology, economics, and politics, and a consideration of the conflicts resulting therefrom.

71. **Europe, 1815-1914.** Winter. M. W. F., 10:00. Three credit hours. Jensen.

A study of the revolutionary movements in America and Europe; the American and French revolutions; the period of reaction and emergence of liberalism and nationalism. The period from 1848 will be given special emphasis.

72. **Europe Since 1871.** Spring. M. W. F., 10:00. Three credit hours. Jensen. (Not given this year.)

73. **Contemporary World History.** Spring. M. W. F., 10:00. Three credit hours. Jensen.

This course deals with the outcome of the First World War, the political, economic, and social readjustments which followed, the causes and operation of the present war, and an examination of some of the fundamental postwar problems which affect a permanent peace.

80. **History of the American West.** Autumn. M. W. F., 11:00. Three credit hours. (Not given this year.)

America, the frontier of Europe. International rivalry for the Caribbean area; the Atlantic tide water and the Pacific Coast. Problems of the West to 1803.

81. **History of the West.** Winter. M. W. F., 11:00. Three credit hours. (Not given this year.)

The significance of the Frontier in the development of a distinctive Americanism; the West in national issues, 1803-1861.

82. **History of the West.** Spring. M. W. F., 11:00. Three credit hours. (Not given this year.)

The development and colonization of the Trans-Mississippi, the Rocky Mountains, and the Pacific West, 1803-1892. Special consideration will be given to the Mormon migration and the development of Utah.

85. **History of Hispanic America.** Autumn. M. W. F., 11:00. Three credit hours. (Not given this year.)

A brief survey of the colonial period, and a study of the causes and results of the wars for independence.

86. **History of Hispanic America.** Winter. M. W. F., 11:00. Three credit hours. (Not given this year.)

A study of the struggle for stable governments after independence was gained. The characteristics of special sections will be given consideration.

87. **History of Hispanic America.** Spring. M. W. F., 11:00. Three credit hours. (Not given this year.)

In this quarter, careful consideration will be given to inter-American and international relations with special emphasis on the United States and Hispanic American peace and trade pacts.

90. **History of England to 1714.** Autumn. M. W. F., 8:00. Three credit hours. Carr.

A study of the origin and development of the English people and English institutions from the earliest times to 1714. Special consideration is given to governmental development under the Tudors, the separation from the Roman Church, and the struggle of Divine right claims against the evolution of parliamentary sovereignty.

91. **History of England, 1714 to 1946.** Winter M. W. F., 8:00. Three credit hours. Carr.

The development of the cabinet government, growth of the British empire, the political, economic, and humanitarian movements of the last two centuries, England's relations to her colonies and dominions, and her position in world affairs with special reference to her part in the First and Second World War.

- 93. Constitutional History of England.** Spring. M. W. F., 8:00. Three credit hours. Carr.

A study of English constitutional development from the Anglo-Saxon period to the present. Attention is given to the origin and evolution of the royal prerogative, the judicial and administrative systems, the growth of Parliament, the development of cabinet responsibility. The aim is to understand the processes which have resulted in the establishment of a constitutional democratic form of monarchy.

- 95. American History to 1789.** Autumn. M. W. F., 11:00. Three credit hours. Jensen.

A study of colonial institutions and the constitutional relations between the colonies and the mother country; constitutional theories and principles involved in the Revolution; formation of the federal constitution.

- 96. History of the United States, 1789 to 1865.** Winter. M. W. F., 11:00. Three credit hours. Jensen.

A study of the organization of the new government; the problems of nationality and state rights; the problems involved in slavery and in the expansion of the nation; constitutional theory of the secession; constitutional aspects of the war power.

- 97. History of the United States Since 1865.** Spring. M. W. F., 11:00. Three credit hours. Jensen.

Political, economic, and social reconstruction after the Civil War; industrial and economic expansion, the problem of insular possessions; World War 1 and its after-effects; economic depression, the "New Deal," and the relationship of the United States to the Second World War.

Graduate Courses

- 150. Early Oriental History.** Problems of ancient civilizations.
151. Grecian History. A study of important problems dealing with the development of Greek life and culture.
152. Roman History. Problems of agrarian reform and Roman imperialism.
162. Medieval History. Studies dealing with the Papacy and Monasticism.

163. **Medieval History.** Problems relating to Feudalism, the Crusades, and the rise of cities.
164. **Medieval History.** Emphasis on the Renaissance, the Reformation, rise of the Third Estate, and the rise of monarchical states.
170. **Modern History.** A new science and philosophy of the seventeenth and eighteenth centuries.
171. **Modern History.** The struggle between liberalism and conservatism in the nineteenth century
172. **Modern History.** Some problems connected with World War I and intricate world relations since then.
180. **History of the West.** The West as a factor in international rivalry to 1763, and as a potential force in the American revolution.
181. **History of the West.** The influence of the West in the opening of the Mississippi, the War of 1812, the American system, etc.
182. **History of the West.** The history of the Trans-Mississippi West, the Great Basin, etc.
185. **History of Hispanic America.** A study of colonial problems in Hispanic America. The movement for independence.
186. **History of Hispanic America.** Problems connected with the establishment of independent states.
187. **History of Hispanic America.** International and inter-American relations of Hispanic American states.
190. **History of England, 1066-1485.** A study of the rise of the bourgeoisie and the evolution of Parliamentary supremacy.
191. **History of England, 1485-1714.** An intensive study of the evolution of cabinet government, or the Machine Age and its industrial and social consequences.
192. **History of England, 1714-1946.** Expansion and industrialism and the new economic doctrine of laissez faire.
193. **Constitutional History of England.** Emphasis upon fundamental movements connected with English constitutional growth.

- 195. **American History.** Problems of Colonial and Revolutionary history.
- 196. **American History.** Topics in the development of American political and historical institutions.
- 197. **History of the United States.** Problems in recent American constitutional history.
- 198. **Problems in Historical Research.**
- 200. **Research for Master's Thesis.**

Journalism

*Assistant Professor Smith; Professors Pardoe, Hales, Jenson;
Assistant Professor Cheney; Mr. Morton, Mr. Haymore*

English 1, 2, and 3, are prerequisites for all courses in Journalism except courses 1, 6, 9, 14, 15, 16, and 21, which may be taken in connection with Freshman English.

Students who elect to major in Journalism may choose either the News and Editorial curriculum or the Specialized Writing curriculum. Minimum requirements for majors in Journalism are:

News and Editorial curriculum: thirty credit hours in Journalism including Courses 1, 21, 22, 23, 55, 56, 70, and fifteen hours in English in addition to Freshman English.

Specialized Writing curriculum; thirty credit hours in Journalism, including Courses 1, 21, 23, 55, 56, 92, and fifteen hours in English in addition to Freshman English.

In addition to pursuing a thorough program in the department, majors and minors are advised to obtain as broad a background as possible through courses in English and the social sciences. Majors must have ability to operate a typewriter.

The following are suggested as minors for students who major in Journalism: Accounting and Business Administration, Art, Economics, History, Marketing, Political Science, Sociology.

Journalism is one of the subjects comprising the compos-

ite major in **Language Arts** designed for prospective teachers.

LOWER DIVISION COURSES

1. **Survey of Journalism.** Autumn. M. W. F., 1:00. Three credit hours. Smith.

An introduction to the social, vocational and practical aspects of the newspaper, magazine, radio, and related fields of journalism. Emphasis will be given to the viewpoint of the layman as a "consumer" of journalism.

6. **Photography.** Autumn, Spring. Lectures, M. W. F., 8:00. Laboratory time to be arranged. Four credit hours. Hales. (See Physics 26.)

Lectures on the theory and art of photography; laboratory exercises in photographic manipulation, determination of the characteristics of photographic materials, color, sensitivity, etc.

9. **Typography and Printing Processes.** Winter. Lecture, Th., 1:00. Two credit hours. Laboratory time to be arranged. Haymore.

Study of type styles and sizes, mechanical equipment, offset printing, engraving processes, and technical aspects of publishing; laboratory practice in publishing methods.

- 14, 15, 16. **Commercial Art.** Autumn, Winter, Spring. T. Th., 1:00. One or two credit hours each quarter. Jenson. (See Art 14, 15, 16.)

21. **Newswriting.** Autumn, Spring. T. Th., 8:00. Two credit hours.

A study of newspaper style and the elements of news; practice in gathering and writing news stories. (This course is designed to aid students who plan to work on the campus newspaper, and is a foundation for advanced courses in the field.)

22. **Reporting Problems.** Winter. M. W. F., 11:00. Three credit hours.

A study of beat reporting and news-gathering techniques; practice in handling special reporting assignments such as sports, society, politics, conventions, and police news. Prerequisite: Journalism 21.

23. **Editing and Makeup.** Spring. M. W. F., 11:00. Three credit hours. Smith.

Problems of newspaper desk work; practice in copy reading, proof reading, headline writing, and newspaper makeup. Prerequisite: Journalism 21.

- 27. Press Photography.** Winter. Lecture, T., 1:00. Two credit hours. Laboratory time to be arranged. Smith and photopographpay staff. (Not given this year.)

Lectures on the principles of photography for newspapers and periodicals, and laboratory exercises in the use of photographic equipment for the taking and developing or news pictures. Prerequisites: Journalism 6 and consultation with instructor.

- 32. Radio Script Writing.** Winter. M. W. F., 1:00. Three credit hours. Pardoe. Analysis and writing of radio script. (See Speech 32.)

- 47. Short Story Writing.** Winter. T. Th., 8:00. Two credit hours. Cheney. (See English 47.)

UPPER DIVISION COURSES

- 50a, 50b, 50c. College Editing.** Autumn, Winter, Spring. Time to be arranged. One credit hour each quarter. Smith.

Problems in editing and staff organization of college publications. Prerequisite: Journalism 23. (The student must be the editor or associate editor of a campus publication, or an upperclassman majoring in Journalism.)

- 51a, 51b, 51c. Special Studies in Journalism.** Autumn, Winter, Spring. Time to be arranged. One or two credit hours each quarter. Smith.

Designed to meet the special needs of advanced students, these studies afford opportunities for research in historical and contemporary phases of journalism. Prerequisite: approval of head of department.

- 54. Advanced Photography.** Winter. Lecture, T., 3:00. Laboratory, time to be arranged. Two credit hours. Hales. (See Physics 91.) (Not given this year.)

- 55. History of Journalism.** Winter. Daily, 9:00. Five credit hours. Smith.

Development of American journalism from its colonial beginnings to the present, portraying the press in relation to the political, social, and economic history of the times. Special attention will be given to the establishment and growth of newspapers in the West.

- 56. Journalism and Society.** Autumn. M. W. F., 10:00. Three credit hours. Smith.

The role of journalism in American life; ideals and deficiencies of the newspaper, with emphasis on obligations to the community. The law of libel and other legal aspects of the press.

- 60. The Community Newspaper.** Spring. T. Th., 1:00. Two credit hours. Smith. (Not given this year.)

The country or neighborhood weekly and its place in community life; editing and business problems. Conferences are arranged with editors of weekly papers. Prerequisite: Journalism 21, 23.

- 61. Advertising.** Spring. Daily, 8:00 Five credit hours. (See Marketing 59.)

- 70. City Reporting.** Autumn, Winter, or Spring. Time to be arranged. Four credit hours. Smith.

One recitation per week and a minimum of ten hours reporting practice per week. An advanced course designed to give experience in gathering and writing news under actual newspaper office conditions. With supervision from staff members of the daily press cooperating in the plan, students will gather, write, and edit news from regular beats in the city of Provo. Prerequisites: Journalism 21, 22, and approval of head of department.

- 71. Editorials and the Editorial Page.** Spring. T. Th., 9:00. Two credit hours. (Not given this year.)

Study of the editorial and practice in writing it; the editorial page, its policies and makeup.

- 73. Reporting Public Affairs.** Winter. T. Th., 1:00. Two credit hours. Morton. (Not given this year.)

A detailed study of writing political news and covering city and county building and state capitol beats. Prerequisites: Political Science 11 and Journalism 21 and 22.

- 74. Critical Writing and Reviewing.** Winter. T. Th., 1:00. Two credit hours. (Not given this year.)

Writing news and comment in the fields of music, drama, and books. Prerequisites: Journalism 21 and at least four credit hours in appreciation or history of music, drama, or literature.

- 92. Magazine Article Writing.** Autumn. M. W., 2:00. Three credit hours. Smith.

Study of feature articles for general magazine sections; assignments in planning and writing articles. Criticism, analysis of manuscript markets, and help in selling articles written in the course. Prerequisite: Journalism 21, or permission of instructor.

- 95. Publicity.** Spring. M. W. F., 10:00. Three credit hours. Smith.

Nature of publicity as an approach to the public consciousness through the newspaper, the magazine, the radio broadcast, and other media. Practice in using various publicity techniques. Prerequisite: Journalism 21.

- 97. Teaching of Journalism.** Autumn. T. Th., 2:00. Two credit hours. Smith.

Teaching methods for journalism in the secondary school. Planning and supervising school publications: handling school publicity.

GRADUATE COURSES

- 151a, 151b, 151c. Special Studies in Journalism.** Autumn, Winter, Spring. Time to be arranged. One or two credit hours each quarter.

- 155. History of Journalism.** Winter. Daily, 9:00. Five credit hours.

- 156. Journalism and Society.** Autumn. M. W. F., 10:00. Three credit hours.

Mathematics

Professors Eyring, Marshall, Hales; Assistant Professor Alleman; Mr. Geertsen, Mr. Miller.

Students who major in Mathematics have the following courses prescribed: Mathematics 11, 12, 13, 51, 52, 53, 71, 72, 73. A teaching major is the same as Department major. Mathematics 1 may not be included in the major or minor requirements.

Mathematics is one of the subjects comprising the composite majors in **Mathematics and the Physical Sciences** designed for prospective teachers.

Lower Division Courses

1. **Algebra.** Autumn, Winter, Spring. Daily, 8:00 and 2:00. Five credit hours. Staff.

Review of elementary algebra, quadratic equations, ratio and proportion, progressions, binomial theorem, etc. Prerequisite: One year of high school algebra.

11. **College Algebra.** Autumn, Winter, Spring, Daily, 9:00. Autumn, Winter. Daily, 2:00. Five credit hours. Staff. Prerequisite: Mathematics 1, or its equivalent.

12. **Plane Trigonometry.** Autumn, Winter, Spring, Daily 8:00. Autumn, Winter, daily, 2:00. Five credit hours. Staff. Prerequisite: Mathematics 1, or its equivalent.

13. **Analytic Geometry.** Spring. Daily, 8:00 and 2:00. Five credit hours. Staff.

A study of rectangular co-ordinates, straight line, circle, parabola, ellipse, hyperbola, transfer of co-ordinates, etc. Prerequisites: Mathematics 11 and 12.

- 20: **Solid Geometry.** Spring. M. W. F., 11:00. Three credit hours. Staff. Prerequisite: Mathematics 12.

34. **Commercial Algebra.** Autumn. M. W. F., 2:00. Three credit hours. (Not given this year.)

A review and drill in the essentials of algebra and the application of it to commercial problems.

35. **Mathematical Theory of Investments.** Winter. M. W. F., 2:00. Three credit hours. (See Accounting and Business

Administration 35.) Prerequisites: Mathematics 34, or equivalent. (Not given this year.)

Application of algebra to general business problems such as annuities, amortization, capitalization, depreciation, sinking fund, bond values, and building and loan associations.

Upper Division Courses

- 51. Differential Calculus.** Autumn. Daily 9:00. Four credit hours. Marshall.

An introductory course with numerous applications of the principles to the tracing of curves and the solution of problems from geometry and mechanics. Prerequisite: Mathematics 13.

- 52. Differential Calculus.** Winter. Daily, 9:00. Four credit hours. Marshall.

Continuation of Course 51.

- 53. Integral Calculus.** Spring. Daily, 9:00. Four credit hours. Marshall.

The process of integration is developed and applied to problems in geometry, mechanics, and physics. Prerequisite: Mathematics 52.

- 71. Definite Integrals.** Autumn. M. W. F., 11:00. Three credit hours. Staff.

Development of the definite integral as a sum, and the more theoretical aspects of calculus. Prerequisite: Mathematics 53.

- 72, 73. Differential Equations.** Winter and Spring. M. W. F., 11:00. Three credit hours each quarter. Staff.

Differential equations of the first order, linear differential equations, total and partial differential equations with numerous applications to physics. Junior or senior year. Prerequisite: Mathematics 71.

- 81, 82. Theoretical Mechanics.** Autumn and Winter. Daily, 8:00. Five credit hours each quarter. Marshall.

Fundamental principles of mechanics and their applications to physical problems. Prerequisites: Calculus and Physics 41, 42, 43.

Graduate Courses

101. **Vector Analysis.** Winter. M. W. F. Three credit hours. Marshall. (Not given this year.)
Fundamental operations of vector analysis.
102. **Vector Analysis.** Spring. M. W. F. Three credit hours. Marshall. (Not given this year.)
Application of vector analysis to mechanics, electromagnetic theory, and other branches of mathematical physics.
105. **Advanced Calculus.** Autumn. Daily, 8:00. Five credit hours. Marshall. (Not given this year.)
A review of the fundamental theory of the calculus presented with a view to precision of statement and accuracy of proof. Prerequisite: Mathematics 73.
106. **Advanced Calculus.** Winter. Daily, 8:00. Five credit hours. (Not given this year.)
Theory of differential equations, study of simple integrals, multiple integrals, and infinite integrals.
107. **Advanced Calculus.** Spring. Daily, 8:00. Five credit hours. Marshall. (Not given this year.)
Study of some classes of functions defined by integrals; introduction to calculus of variations, and theory of functions. Note: Courses 105, 106, and 107, will follow an outline somewhat as given in Wood's "Advanced Calculus."
- 172, 173. **Differential Equations.** Winter, Spring. M. W. F., 11:00. Three credit hours each quarter. Staff.
192. **Readings in Mathematics.** Credit, one to three hours, depending on the work done. Marshall and Hales.
200. **Thesis in Mathematics.** Credit to be arranged.

Modern and Classical Languages

Professors Cummings, de Jong, Sperry, Swensen; Associate Professors Broadbent, Lee; Assistant Professors Valentine, Clark, Rogers.

Every degree of Bachelor of Arts and Master of Arts granted by the University requires the completion of 24 hours of foreign language. This language requirement is the main distinguishing feature of these degrees.

The department offers in French, Spanish, Portuguese, German and Latin programs leading to a teaching minor and a teaching major; and in French, Spanish and German, graduate programs leading to a Master of Arts degree. Students specializing in this field are advised to offer two units of high school work in the chosen language. Graduate majors are advised to offer Latin.

If the department's recommendation for teaching is desired, courses above 50 totaling twenty hours including Linguistics 42, 91 are required for a minor; courses above 50, totaling 30 hours, including Linguistics 42, 91 are required for a major.

For a Master of Arts degree in French, Spanish, Portuguese, or German, 40 hours of undergraduate work in the language is prerequisite. The following requirements are made: 1. The passing of a qualifying examination in the language and literature to be studied as well as in the field of general culture. 2. The satisfactory completion of at least 24 hours of graduate work in the chosen language. 3. A final written examination on this work. 4. The oral examination given under the direction of the Graduate School. 5. Courses covering the general field of literature and elementary philology. 6. A satisfactory thesis either in the field of philology or of literature.

Romantic Languages

FRENCH

Lower Division Courses

1, 2, 3. **First Year French.** Autumn, Winter, Spring. Daily, 8:00, 9:00, 1:00, 2:00. Five credit hours each quarter.

Designed for those who have had no French. Pronunciation, reading, the fundamentals of grammar, and the building of a substantial vocabulary.

Upper Division Courses

- 51, 52, 53. Second Year French.** Autumn, Winter, Spring, Daily, 9:00, 2:00. Five credit hours each quarter.

The various language skills, viz., reading, understanding, speaking and grammar. Reading, both intensive and extensive. Prerequisite: French 1, 2, 3, or two units of French in high school.

- 57, 58, 59. Individual Study in French.** Autumn, Winter, Spring. Hours to be arranged. One or two credit hours each quarter.

Assignments are made to fit the individual needs of students. Some work in this sequence may be required of French majors. Prerequisite: twenty-four hours of French and consent of the department head.

- 61, 62, 63. Third Year French.** Autumn, Winter, Spring. M. W. F., 10:00. Three credit hours each quarter. Lee.

These courses include a substantial amount of reading, intensive and extensive, upon which is based abundant conversation, enabling the student to develop an intense and active interest in the cultural life of French-speaking peoples. Prerequisite: French 52 or the equivalent of 25 hours of French.

- 64, 65, 66. French Composition and Conversation.** Autumn, Winter, Spring. M. W. F., 11:00. Three credit hours. Cummings.

Very comprehensive courses in grammar with abundant drill through oral and written composition. Prerequisite: French 52 or the equivalent of twenty-five hours of French.

- 73, 74, 75. Introduction to French Literature and Culture,** Autumn. M. W. F., 4:00. Three credit hours each quarter. Clark.

A general view of the literary periods, movements, and social background, with representative readings. Prerequisites: Thirty hours of French or the consent of the instructor.

- 77. Contemporary French Literature.** Spring. M. W. F., Three credit hours (Not given this year.)

- 81, 82, 83. **Masterpieces of French Literature.** Autumn, Winter, Spring. M. W. F., 11:00. Three credit hours each quarter. (Not given this year.)

Prerequisite: Twenty-four credit hours in French.

97. **French Seminar.** Autumn, Winter, or Spring. Hours to be arranged. Two credit hours.

Graduate Courses

151. **Introduction to French Classicism.** Winter. M. W. F., 3:00. Three credit hours.
152. **Introduction to French Romanticism.** Spring. M. W. F., 2:00. Three credit hours.
157. **French Novel from 1800 to the Present.** Spring. M. W. F., 9:00. Three credit hours.
158. **French Drama from 1800 to the Present.** Spring. M. W. F., 2:00. Three credit hours. (Not given this year.)
- 164, 165, 166. **French Composition and Conversation.** Autumn, Winter, Spring. M. W. F., 4:00. Three credit hours each quarter.
171. **Old French Literature.** Spring: M. W. F., 3:00. Three credit hours. (Not given this year.)
172. **French Literature of the Renaissance.** Winter. M. W. F., 3:00. Three credit hours. (Not given this year.)
- 173, 175, 176. **French Literature of the Seventeenth, Nineteenth and Twentieth Centuries.** Autumn, Winter, Spring, M. W. F., 4:00. Three credit hours each quarter.
177. **Contemporary French Literature.** Spring. M. W. F. Three credit hours.
- 181, 182, 183. **Corneille, Racine, Moliere.** Autumn, Winter, Spring. T. Th., 3:00. Two credit hours each quarter. (Not given this year.)
184. **Voltaire.** Winter. T. Th., 3:00. Two credit hours. (Not given this year.)
185. **Rousseau.** Spring. T. Th., 3:00. Two credit hours. (Not given this year.)
185. **Rousseau.** Spring. T. Th., 3:00. Two credit hours. (Not given this year.)

187. **Flaubert and Maupassant.** Spring. T. Th., 9:00. Two credit hours. (Not given this year.)
192. **Introduction to Romance Philology.** Autumn. M. W. F., 3:00. Three credit hours. (Not given this year.)
- 193, 194, 195. **History of the French Language.** Autumn, Winter, Spring. M. W. F., 3:00. Three credit hours each quarter. Cummings.
- A survey of the development of French from its origins in Popular Latin. Introduction to Old French and to French Historical Grammar and Etymology. For graduate students only. Prerequisite to French 171.
196. **French Criticism.** Winter. T. Th., 10:00. Two credit hours. Cummings. (Not given this year.)
197. **French Seminar.** Autumn, Winter, or Spring. Hours to be arranged. Two credit hours.
200. **Research for Master's Thesis.**

SPANISH

Lower Division Courses

- 1, 2, 3. **First Year Spanish.** Autumn, Winter, Spring. Daily, 8:00, 9:00, 1:00, 2:00. Five credit hours each quarter.

Designed for those who have not had Spanish. Pronunciation, reading, and the fundamentals of grammar. Special emphasis on the building of a substantial reading vocabulary.

Upper Division Courses

- 51, 52, 53. **Second Year Spanish.** Autumn, Winter, Spring. Daily, 9:00, 2:00. Five credit hours each quarter.

The various language skills, viz., reading understanding, speaking, grammar. Reading intensive and extensive. Prerequisites: Spanish 3, or two units of Spanish in high school.

- 57, 58, 59. **Individual Study in Spanish.** Autumn, Winter, Spring. Hours to be arranged. One or two credit hours each quarter.

Assignments are made to fit the individual needs of students. Some work in this sequence may be required of

Spanish majors. Prerequisite: twenty-four hours of Spanish and the consent of the department head.

- 61, 62, 63. **Third Year Spanish.** Autumn, Winter, Spring. Daily, 2:00. Five credit hours. Valentine.

These courses include a substantial amount of reading, intensive and extensive, upon which is based abundant conversation, enabling the student to develop an active interest in the cultural life of Spanish-speaking peoples. Prerequisite: Spanish 52 or the equivalent of 25 hours of Spanish.

- 64, 65, 66. **Spanish Composition and Conversation.** Autumn, Winter, Spring. Daily, 3:00. Three credit hours. Valentine.

Very comprehensive courses in grammar with abundant drill through oral and written composition. Prerequisite: Spanish 52 or the equivalent of twenty-five hours of Spanish.

- 67, 68, 69. **Spanish American Literature.** Autumn, Winter, Spring. M. W. F., 3:00. Three credit hours each quarter. (Not given this year.)

This sequence is an introduction to the study of the literature of Spanish America from its origins to the present, viewed in three grand divisions corresponding to the Colonial and Revolutionary period, the Romantic and Modernistic period, and the Contemporary period.

- 73, 74, 75. **Introduction to Spanish Literature and Culture.** Autumn. M. W. F., 3:00. Three credit hours each quarter. Cummings.

A general view of the literary periods, movements and social background, with representative readings. Prerequisite: thirty hours of Spanish or the consent of the instructor.

77. **Contemporary Spanish Literature.** Spring. M. W. F. Three credit hours. (Not given this year.)

97. **Spanish Seminar.** Autumn, Winter, or Spring. Hours to be arranged. Two credit hours.

Graduate Courses

157. **Spanish Novel 1800 to the Present.** Winter. M. W. F., 9:00. Three credit hours.

158. **Spanish Drama 1800 to the Present.** Spring. M. W. F., 9:00. Three credit hours.

164, 165, 166. Spanish Composition and Conversation. Autumn, Winter, Spring. M. W. F. Three credit hours each quarter. (Not given this year.)

167, 168, 169. Spanish American Literature. Autumn, Winter, Spring. M. W. F. Three credit hours each quarter. Valentine.

This sequence is an introduction to the study of the literature of Spanish America from its origins to the present, viewed in three grand divisions corresponding to the Colonial and Revolutionary period, the Romantic and Modernistic period, and the Contemporary period.

173, 174, 175, 176. Spanish Literature of the Seventeenth, Eighteenth, Nineteenth, and Twentieth Centuries. Autumn, Winter, Spring. M. W. F. Three credit hours each quarter. (Not given this year.)

PORTUGUESE

Lower Division Courses

1, 2, 3. First Year Portuguese. Autumn, Winter, Spring. Daily, 9:00. Five credit hours each quarter. de Jong.

A beginning course. Pronunciation, conversation, reading, and the fundamentals of grammar. Special attention to Portuguese as the language of Brazil.

Upper Division Courses

51, 52, 53. Second Year Portuguese. Autumn, Winter, Spring. Daily, 1:00. Five credit hours each quarter. de Jong.

The various language skills, viz., reading, understanding, speaking, grammar. Reading intensive and extensive. Prerequisites: Portuguese 3 or the equivalent.

61, 62, 63. Third Year Portuguese. Autumn, Winter, Spring. M. W. F., 2:00. Three credit hours each quarter. de Jong.

These courses include a substantial amount of reading, intensive and extensive, upon which is based abundant conversation, enabling the student to develop an active interest in the cultural life of Portuguese-speaking peoples. Prerequisite: Portuguese 52, twenty-five hours of Portuguese, or the equivalent.

64, 65, 66. Portuguese Composition and Conversation. Autumn, Winter, Spring. M. W. F. Three credit hours each

quarter. de Jong.

A very comprehensive course in grammar with abundant drill through oral and written composition. Prerequisite: Portuguese 52, twenty-five hours of Portuguese, or the equivalent.

- 81, 82 83. **Masterpieces of Portuguese Literature.** Autumn Winter, Spring. M. W. F. Three credit hours each quarter. de Jong. Prerequisite: Twenty-four credit hours in Portuguese.

ITALIAN

Lower Division Courses

- 1, 2, 3,. **First Year Italian.** Autumn, Winter, Spring. Daily, 1:00. Five credit hours each quarter. Cummings.

Special attention to accurate pronunciation for the benefit of students of music and art for whom Italian has special interest and value. Grammar and easy reading carefully graded.

Upper Division Course.

- 51, 52, 53. **Second Year Italian...** Autumn, Winter, Spring. Daily. Five credit hours each quarter. Cummings. (Not given this year.)

Reading intensive and extensive. Prerequisite: Italian 3.

- 57, 58, 59. **Individual Study in Italian.** Autumn, Winter, Spring. Hours to be arranged. One or two credit hours each quarter. Cummings.

Germanic Languages

GERMAN

Lower Division Courses

- 1, 2, 3. First Year German.** Autumn, Winter, Spring. Daily. 8:00, 9:00, 2:00. Five credit hours each quarter. de Jong, Broadbent, Rogers.

Designed for those who have had no German. Pronunciation, reading, and the fundamentals of grammar, the building of a substantial vocabulary.

Upper Division Courses

- 51, 52, 53. Second Year German.** Autumn, Winter, Spring. Daily, 8:00, 3:00. Five credit hours each quarter. Broadbent, Rogers.

The various language skills, viz., reading, understanding, speaking, and grammar. Reading, both intensive and extensive. Prerequisites: German 1, 2, 3, or two units of German in high school.

- 57, 58, 59. Individual Study in German.** Autumn, Winter, Spring. Hours to be arranged. One or two credit hours each quarter.

Assignments are made to fit the individual needs of students. Some work in this sequence may be required of German majors. Prerequisite: twenty-four hours of German and consent of the department head.

- 61, 62, 63. Third Year German.** Autumn, Winter, Spring. M. W. F., 10:00. Three credit hours each quarter. Rogers.

These courses include a substantial amount of reading, intensive and extensive, upon which is based abundant conversation, enabling the student to develop an intense and active interest in the cultural life of German-speaking peoples. Prerequisite: German 52, twenty-five hours of German or the equivalent.

- 64, 65, 66. German Composition and Conversation.** Autumn, Winter, Spring. M. W. F., 3:00. Three credit hours. de Jong.

A very comprehensive course in grammar with abundant drill through oral and written composition. Prerequisite: German 52, twenty-five hours of German, or the equivalent.

67, 68, 69. **Scientific German.** Autumn, Winter, Spring. M. W. F., 11:00. Three credit hours each quarter. Broadbent.

73, 74, 75. **Introduction to German Literature and Culture.** Autumn, Winter, Spring. Daily, 3:00. Three credit hours each quarter. de Jong.

A general view of the literary periods, movements, and social background, with representative readings. Prerequisite: thirty hours of German or the consent of the instructor.

97. **German Seminar.** Autumn, Winter, or Spring. Hours to be arranged. Two credit hours. Staff.

Graduate Courses

157. **German Drama from 1800 to the Present.** Three credit hours. de Jong. (Not given this year.)

158. **German Novel, 1800 to the Present.** Three credit hours. de Jong. (Not given this year.)

164, 165, 166. **German Composition and Conversation.** Autumn, Winter, Spring. M. W. F., 4:00. Three credit hours each quarter. de Jong.

173, 174, 175. **History of German Literature.** Autumn, Winter, Spring. Daily, 2:00. Three credit hours. de Jong.

177. **Contemporary German Literature.** Spring. M. W. F., Three credit hours. Rogers.

181. **Lessing.** Autumn. M. W. F. Three credit hours. de Jong.

182. **Schiller.** Winter. M. W. F. Three credit hours. de Jong.

183. **Goethe.** Spring. M. W. F. Three credit hours. de Jong.

184. **Kleist and Grillparzer.** Autumn. M. W., 9:00. Two credit hours. Broadbent.

185. **Hebbel and Ludwig.** Winter. M. W., 9:00. Two credit hours. Broadbent.

186. **Hauptmann and Sudermann.** Spring. M. W., 9:00. Two hours. Broadbent.

192. **Gothic.** Autumn. M. T. W. Th., 4:00. Four credit hours. de Jong.

Introduction to the study of Gothic. General introduc-

tion to Germanic Philology. Reading from the Gothic Bible.

193. **Old High German.** Winter. M. T. W. Th., 4:00. Four credit hours. de Jong.
194. **Middle High German.** Spring. M. T. W. Th., 4:00. Four credit hours. de Jong.
Reading of selected Middle High German texts.
197. **German Seminar.** Autumn, Winter, or Spring. Hours to be arranged. Two credit hours. Staff.
200. **Research for Master's Thesis.**

Classics

LATIN

Lower Division Courses

- 1, 2, 3. **First Year Latin.** Autumn, Winter, Spring. Daily, 2:00. Five credit hours each quarter. Clark.

Designed for those who have had no Latin. Mastery of pronunciation, declensions and conjugations. Correlation of Latin originals with English derivatives. Graded reading. Characteristics of Roman civilization.

- 40, 41, 42. **Pre-Medical Latin and Greek.** Autumn, Winter, Spring. M. W. F., 10:00. Two or three credit hours each quarter. Clark.

Recommended for pre-medical students. Admission by permission of the instructor.

Upper Division Courses

- 51, 52, 53. **Second Year Latin.** Autumn, Winter, Spring. Daily, 2:00. Five credit hours each quarter. Lee (Not given this year.)

A comprehensive study of grammar, composition. A continuation of the study of the influence of Latin on English. Readings from the classics. Prerequisites: Latin 3, or two years of high school Latin.

GREEK

Upper Division Courses

- 51, 52, 53. **Elementary Greek.** Autumn, Winter, Spring. M. W. F. Time to be arranged. Three credit hours each quarter. Swensen.

Drill in fundamentals of grammar. Development of vocabulary with correlations with English derivatives. Graded readings from the Greek New Testament.

- 54, 55, 56. **Second Year Greek.** Autumn, Winter, Spring. M. W. F. Time to be arranged. Three credit hours each quarter. Swensen.

Drills in the fundamentals of classical Greek syntax and grammar. Readings from Xenophon and the discourse materials of the Greek New Testament. Prerequisite: Greek 51, 52, 53.

- 57, 58, 59. **Elementary Modern Greek.** Autumn, Winter, Spring. M. W. F., 8:00. Three credit hours each quarter. Swensen.

A study of Greek as a living language. Pronunciation, elementary grammar, and graded readings. Special attention to English derivatives.

- 60, 61, 62. **Second Year Modern Greek.** Autumn, Winter, Spring. Time to be arranged. Three credit hours each quarter. Swensen.

Advanced grammar and reading in the various types of Modern Greek Literature. Prerequisite: Greek 57, 58, 59.

Semitics

The following courses in Biblical languages are offered. They carry religious credit and fulfill the language requirement for the A. B. degree:

HEBREW

- 51, 52, 53. **Elementary Hebrew.** Autumn, Winter, Spring. Daily, 1:00. Five credit hours each quarter. Sperry.

The elements of Hebrew grammar are thoroughly treated. Several elementary Hebrew books are read, followed by intensive drill in the Old Testament.

- 54, 55, 56. **Intermediate Hebrew.** Autumn, Winter, Spring. M. W. F., 11:00. Three credit hours each quarter. Sperry.

This course consists of advanced grammar and readings from Genesis, Deuteronomy, Samuel, Kings, and certain of the Minor Prophets.

- 64, 65, 66. **Advanced Hebrew.** Autumn, Winter, Spring. T. Th. Time to be arranged. Two credit hours each quarter. Sperry.

This course consists of Hebrew syntax and selected readings from the Prophets and the Hebrew Wisdom Literature.

ARAMAIC

- 61, 62, 63. **Biblical Aramaic and the Targums.** Autumn, Winter, Spring. T. Th., 8:00. Two credit hours each quarter. Sperry. Prerequisites: Hebrew 51, 52, 53.

SYRIAC

- 51, 52, 53. **Elementary Syriac.** Autumn, Winter, Spring. T. Th., 2:00. Two credit hours each quarter. Sperry.

Elements of the grammar and reading from the Syriac New Testament. Prerequisites: Hebrew 51, 52, 53.

- 54, 55, 56. **Intermediate Syriac.** Autumn, Winter, Spring. Th., 8:00. One credit hour each quarter. Sperry.

Advanced grammar and reading from the Syriac Old and New Testaments and other literature.

AKKADIAN

- 51, 52, 53. **Elementary Akkadian.** Autumn, Winter, Spring. M. F., 2:00. Two credit hours each quarter. Sperry.

In this course the student masters most of the ordinary signs and acquires a good knowledge of the grammar. At least two years of Hebrew are prerequisite to this course or consent of instructor.

Slavic

RUSSIAN

Lower Division Courses

- 1, 2, 3. First Year Russian.** Autumn, Winter, Spring. Daily, 3:00. Five credit hours each quarter. Cummings.

Designed for those who have had no Russian. Pronunciation, reading and the fundamentals of grammar, and the building of a substantial reading vocabulary.

Upper Division Courses

- 51, 52, 53. Second Year Russian.** Autumn, Winter, Spring. Daily. Five credit hours each quarter. Cummings.

The various language skills, viz., reading, understanding, speaking and grammar. Reading, both intensive and extensive. Prerequisites: Russian 1, 2, 3 or the equivalent.

- 57, 58, 59. Individual Study in Russian.** Autumn, Winter, Spring. Hours to be arranged. One or two credit hours each quarter. Cummings.

Assignments are made to fit the individual needs of students. Prerequisites: certain elementary work in Russian and the consent of the instructor.

Linguistics

Lower Division Courses

- 1. Vocabulary Building.** Autumn. M. W. F., 11:00. Three credit hours. Cummings.

This course affords practice in the building of English vocabulary through the application of principles of linguistics, especially as they relate to meanings. It involves word study including derivations, word-formation, synonyms, antonyms, changes in meaning, etc. In addition the course is concerned with the critical problem of meaning, that is, the meaning of meaning. The design is to present a picture of the nature, the function and the resources of language. Open to all students, and of interest

to all who would expand and improve their language resources for reading, writing and speaking.

42. **Practical Phonetics.** Autumn, Winter. M. W. F., 11:00. Three credit hours. de Jong.

The elementary principles of speech mechanics in their relation to correct diction. This course correlates with courses in the Modern Languages, Speech, and Vocal Music.

Upper Division Courses

51. **Interpretation.** Spring. M. W. F., 11:00. Three credit hours. Cummings.

Literary and general criticism through the application of the principles of linguistics to word-study and text-interpretation. For students of English or foreign literature.

91. **Introduction to Linguistics.** Spring. M. W. F., 1:00. Three credit hours. Cummings.

An introduction to the science of language. An account of the nature of language, symbolism, meanings and the principles of language development. Intended for teachers of English and foreign languages and for those seeking general culture in a better appreciation of the anthropological and sociological fact of language. The approach is best made with some knowledge of one or more foreign languages and elementary phonetics.

Graduate Courses

151. **Theory of Interpretation.** Autumn, T. Th., 7:00. Two credit hours. Cummings.

191. **Introduction to Linguistics.** Spring. M. W. F., 1:00. Three credit hours. Cummings.

An introduction to the Science of Language.

Physics

Professors Eyring, Marshall, Hales; Assistant Professor Alleman; Mr. Geertsen.

Students who expect to study Engineering, Chemistry, or who are planning to major or minor in the Department of Physics should begin their study of Physics by electing courses 41, 42, and 43.

Students who expect to study medicine or major in the fields of biological science should begin their study of Physics by electing courses 31, 32, and 33.

Non-science students may elect with profit courses, 1, 2, 16, 21, and 26, which may be taken without prerequisite and which are organized with the view of giving the student an appreciation of his physical environment.

Students majoring in Physics have the following courses prescribed: Physics 41, 42, 43, 51, 52, 97, 98, 99 and at least fifteen additional hours selected from the upper division courses in the department.

Students majoring in Physics and expecting to be high school teachers have the following courses prescribed: Physics 41, 42, 43 and at least fifteen hours of additional courses selected from the upper division of the department.

Physics is one of the subjects comprising the composite major in Mathematics and the Physical Sciences designed for prospective teachers.

Lower Division Courses

1. **A Survey Course in Physics.** Autumn. M. W. F., 10:00. Three credit hours. Eyring.

This is an elementary course designed for non-science students who wish to obtain training in the scientific aspects of force and motion, energy and work, simple machines, heat as it pertains to the household, and electricity. This course will be of special interest to students of Physical Education and Home Economics. Courses 1 and 2 should be elected by the non-science student if he wishes an orientation in the whole field of Physics.

2. **A Survey Course in Physics.** Winter. M. W. F., 10:00. Three credit hours. Eyring.

This is an elementary course designed for non-science students who wish to obtain training in the science of sound as it pertains to speech, music, and auditorium acoustics; and for the students who wish to obtain training in the scientific aspects of light and color. This course and course 1 will give to the non-science student an orientation in the field of Physics.

- 16. Descriptive Astronomy.** Spring. M. W. F., 10:00. Three credit hours. Eyring.

This course is designed for those wishing a general knowledge of the facts, theories, and methods of astronomy. Frequent use will be made of the University Observatory on University Hill.

- 21. Meteorology.** Autumn. Lecture, M. W. F., 11:00. Laboratory, T. and Th. Time to be arranged. Five credit hours. Hales. (Not given this year.)

A study of the earth's atmosphere and the problems associated with weather forecasting.

- 26. Photography.** Autumn, Spring. M. W. F., 8:00. Laboratory, time to be arranged. Four credit hours. Hales. (See Journalism 6.)

Lectures on the theory and art of photography; laboratory exercises in photographic manipulation, determination of the characteristics of photographic materials, color, sensitivity, etc.

- 31. General Physics. Mechanics and Sound.** Autumn, M. W. F., 11:00. Laboratory, T. Th., 3:00-5:00. Five credit hours. Staff.

Courses 31, 32, and 33 constitute a general college course in physics especially designed to meet the needs and requirements of pre-medical students. Majors in the fields of the biological sciences will find the subject matter of these courses selected to meet their needs. Prerequisite: Mathematics 1, or its equivalent.

- 32. Heat and Light.** Winter, M. W. F., 11:00. Laboratory, T. Th., 3:00-5:00. Five credit hours. Staff.

Continuation of Physics 31.

- 33. Electricity.** Spring. M. W. F., 11:00. Laboratory, T. Th., 3:00-5:00. Five credit hours. Staff.

Continuation of Physics 32.

41. **General Physics. Mechanics and Sound.** Autumn. M. W. F., 1:00. Laboratory, T. Th., 1:00-3:00. Five credit hours. Hales or Marshall.

Courses 41, 42 and 43, constitute a general college course in physics. This general course will satisfy the requirements in Physics for engineering, and it is a prerequisite for all the specialized courses in physics. Prerequisite: Mathematics 11 and 12.

42. **Heat and Light.** Winter. M. W. F., 1:00. Laboratory, T. Th., 1:00-3:00. Five credit hours. Hales or Marshall.

Continuation of Physics 41.

43. **Electricity.** Spring. M. W. F., 1:00. Laboratory, T. Th., 1:00-3:00. Five credit hours. Hales or Marshall.

Continuation of Physics 42.

Upper Division Courses

- 51, 52. **Mechanics.** Autumn, Winter. Daily, 8:00. Five credit hours each quarter. Marshall.

Fundamental principles of mechanics and their application to physical problems. Prerequisites: Calculus and Physics 41, 42, 43.

53. **Sound.** Spring. M. T. Th. F., 8:00. Laboratory, W. Five credit hours. Eyring.

Speech, hearing, sound transmission, and radiation, and acoustics of auditorium.

Prerequisites: Physics 51 and 52.

- 61, 62, 63. **Electricity and Magnetism.** Autumn, Winter, Spring. T. Th. F. Laboratory, M. W. Five credit hours each quarter. Marshall (Not given this year.)

A study of electronics, the vacuum tube, and D. C. and A. C. circuit theory and measurements. Prerequisites: Calculus and Physics 41, 42, and 43.

- 71 **Thermodynamics.** Spring. Daily, 8:00. Five credit hours. Hales. (Not given this year.)

A study of the laws of thermodynamics and their application to numerous physical and chemical phenomena. Prerequisites: Calculus and Physics 41, 43, and 43.

72. **Physics of the Air.** Winter. M. W. F., 10:00. Laboratory, T. and Th. Five credit hours. Hales. (Not given this year.)

The physics of the earth's atmosphere; a study of the causes which produce variations in the pressure, temperature, and humidity of the air and their influence upon weather and climate. Prerequisite: Calculus and Physics 41, 42, and 43.

73. **Synoptic Meteorology.** Spring. M. W. F., 10:00. Laboratory, T. and Th. Five credit hours. Hales. (Not given this year.)

A continuation of course 71, with special emphasis placed upon the Norwegian Polar Front theory of weather analysis. Daily weather maps, including all frontal data, atmospheric cross sections, and various thermodynamic charts, will be constructed as part of the laboratory work.

- 81, 82. **Atomic and Nuclear Physics.** Autumn and Winter. M. W. F., 10:00. Laboratory, time to be arranged. Five credit hours each quarter. Hales.

A study of the structure of the atom as revealed by X-rays, radio activity, spectroscopy, and related subjects

83. **Experimental Optics.** Spring. M. W. F., 10:00. Laboratory, time to be arranged. Five credit hours. Marshall.

During the first part of the course, experiments, outlined in Taylor's Manual of Optics, will be performed and during the last special work in the echelon and concave grating will be given.

91. **Advanced Photography.** Winter. T, 3:00. Laboratory, time to be arranged. Two credit hours. Hales. (Not given this year.)

A laboratory course in the more advanced photographic principles including sensitometry, physical development, toning, natural color printing, and so forth. Prerequisites: Physics 26, and Physics 41, 42 43, or Chemistry 4, 5, 6.

92. **Advanced Physical Measurements.** Autumn, Winter or Spring. Time to be arranged. One to three credit hours. Eyring, Marshall, and Hales.

Precision measurements involving special laboratory techniques and the solution of some simple research problem. Required of all majors in Physics in senior year.

93. **Laboratory Arts.** Autumn. T. Th., 3:00-6:00. Two credit hours. Marshall and Hales. (Not given this year.)

Processes connected with the construction and use of apparatus in physical laboratory.

- 94. Readings in Modern Physics.** One to three credit hours. Eyring, Marshall, and Hales.

A reading course designed to acquaint the student with new material, which may not have been included in the regular courses.

- 97, 98, 99. Seminar.** Autumn, Winter, Spring. One credit hour each quarter. Time to be arranged. Eyring, Marshall and Hales.

A survey of the physical theories and topics in modern research. A course for seniors in which the student is aided to integrate the specialized courses.

Graduate Courses

- 101, 102. Introduction to Modern Physics.** Autumn, Winter. Daily, 8:00. Five credit hours each quarter. Marshall. (Not given this year.)

A study of modern physics, including such topics as quantum theory, spectroscopy, and atomic structure, etc.

- 103. Quantum Mechanics.** Spring. Daily, 8:00. Five credit hours. Marshall. (Not given this year.)

- 105, 106, 107. Introduction to Theoretical Physics.** Autumn, Winter, Spring. Daily, 11:00. Five credit hours each quarter. Hales. (Not given this year.)

An introductory study of the mathematical basis and development of the fundamental laws and theories of physics.

- 110, 111, 112. Classical Experiments.** Each course, two credit hours. Eyring, Marshall, and Hales.

- 194. Readings in Modern Physics.** One to three credit hours. Eyring, Marshall and Hales.

- 197, 198, 199. Seminar.** Autumn, Winter, Spring. Time to be arranged. One credit hour each quarter. Marshall and Hales.

- 200. Thesis in Physics.** Credit to be arranged.

Physics

Aeronautical Science

Lower Division Courses

22. **Navigation.** Winter. Lecture, M. W. F., 11:00. Laboratory T. and Th. Time to be arranged. Five credit hours. Hales. (Not given this year.)

Problems associated with dead reckoning, radio, and celestial navigation will be emphasized.

35. **Civil Pilot Training and Air Regulations.** Autumn or Spring. No credit. Hales. (Not given this year.)

This course includes the elementary theory of flight, general service to aircraft engines, and civil air regulations as required for C. A. A. private pilot certificates.

36. **Meteorology and Navigation.** Winter. Daily, 8:00. Five credit hours. Hales.

The problems in weather and navigation met by the pilot will be studied. The course includes all theory required for C. A. A. examination for private pilot certificates.

37. **Aerodynamics and Airplane Structures.** Autumn and Spring. Daily. Four credit hours. Hales. (Not given this year.)

This course includes the elementary theory of Aerodynamics as required for secondary C. P. T. A number of wind tunnel experiments will be performed by the student.

38. **Airplane Engines.** Autumn and Spring. Daily. Four credit hours. Hales. (Not given this year.)

A study of types of aircraft engines and the theory back of their operation, including timing, ignition, carburetion, supercharger, etc.

39. **Flight Training.** Autumn, Winter. Spring. Time to be arranged. One to three credit hours.

Arrangement will be made by the student to take this flight training under the direction of the Provo Flight Service. Credit will be given according to the hours actually completed in the air and the C. A. A. pilot's certificates achieved.

Upper Division Courses

Physics 41, 42 and 43, and Mathematics 50, 51 and 52 are prerequisites for the following courses.

- 71. Physics of the Air.** Winter. Lecture, M. W. F., 10:00. Laboratory T. Th. Five credit hours. Hales. (Not given this year.)

The physics of the earth's atmosphere; a study of the causes which produce variations in the pressure, temperature, and humidity of the air and their influence upon weather and climate.

- 72. Synoptic Meteorology.** Spring. Lecture, M. W. F., 10:00. Laboratory, T. Th. Five credit hours. Hales. (Not given this year.)

A continuation of course 71, with special emphasis placed upon the Norwegian Polar Front theory of weather analysis. Daily weather maps, including all frontal data, atmospheric cross sections, and various thermodynamic charts, will be constructed as part of the laboratory work.

- 73. Introduction to Aerodynamics.** Spring. Daily, 10:00. Five credit hours. Marshall. (Not given this year.)

Elementary dynamics of particles, fluids, and solid bodies, with application to aeronautics.

Political Science

Professor Jensen; Associate Professor Brown, Assistant Professor J. R. Clark III.; Mr. Carr.

Requirements for a Major in Political Science

A Political Science Major requires the completion of 45 hours of work in this field. Political Science 5, 10, 11, and 15, are required courses and should be completed by the end of the sophomore year. The additional work shall consist of upper division courses which will be selected by the student with the consent of the major professor.

A student deciding to major in Political Science must immediately consult the head of the department who will determine in consultation with the student upon the minor field of work.

Lower Division Courses

- 5. Principles of Political Science.** Autumn. Daily, 9:00. Five credit hours. Jensen.

A comparative study of the origin and development of government, its forms and organizations, problems of administration and popular control, international relations, and world politics.

- 10. National Government of the United States...** Winter. Daily, 9:00. Five credit hours. Jensen.

The historical development of the American Government; origin and growth of the Constitution; constitutional rights of the citizen; a detailed study of the executive, legislative, and judicial departments of the national government.

- 11. State and Local Government in the United States.** Spring. Daily, 9:00. Five credit hours. Jensen.

The nature of federal government; the evolution of states from territories; place of the states in the nation; a study of the executive, legislative and judicial branches of state government.

- 15. Political Parties and Party Government.** Autumn. Daily, 2:00. Five credit hours. Carr.

A study of the organization and methods of action of political systems in the United States; the development of the party system; the party system in leading European countries.

Upper Division Courses

- 51. European Political Philosophy.** Winter. M. W. F., 10:00. Three credit hours. Carr.

A study of political theory as developed during ancient and medieval times.

- 52. European Political Philosophy.** Spring. M. W. F., 10:00. Three credit hours. Carr.

An examination of modern and contemporary political philosophy.

- 53. History of American Political Thought.** Spring. M. W. F., 11:00. Three credit hours. Jensen. (Not given this year.)

A study and interpretation of American political ideas from the colonial period to the present with an examination of their influence in the development of American history and government.

- 57. Commercial Law.** Autumn. M. T. W. Th., 8:00. Four credit hours. (See Finance and Banking 57.) Brown.

Fundamental legal principles and institutions; the formation, operation and effect, and performance of contracts.

- 58. Commercial Law.** Winter. M. T. W. Th., 8:00. Four credit hours. (See Finance and Banking 58.) Brown.

A study of law governing negotiable instruments, rights and liabilities of parties thereto; also a study of the law governing sales of personal property as distinguished from gifts, barter, and bailments.

- 59. Commercial Law.** Spring. M. T. W. Th., 8:00. Four credit hours. (See Finance and Banking 59.) Brown.

A study of the law governing relationships arising out of business associations; Agency, Partnerships, and Corporations will be studied by an examination of the leading cases decided by the courts.

- 63. Municipal Government.** Spring. M. W. F., 2:00. Three credit hours. (Not given this year.)

A study of municipal growth and development in the United States and in some of the principal European countries. Attention is given to municipal structure, organization, and administration.

- 67. Public Administration.** Autumn. M. W. F., 2:00. Three credit hours. (Not given this year.)

An examination of the field of public administration, emphasizing the relationship of the administration to other branches of government, the organization and personnel of administrative services, types of control of the administration, central and local administration, etc.

- 73. Comparative European Government.** Spring. M. W. F., 2:00. Three credit hours. Jensen.

A study of the organization and operation of the governments of England, France, Italy, Germany, and Russia. Attention is also given to some of the new European governments.

- 80. International Law.** Spring. M. W. F., 3:00. Three credit hours. J. R. Clark III.

A study of the sources, principles, and sanctions of international law; the law of peace, war, and neutrality. Problems growing out of the World War and the resulting modifications of international law as they prevail today.

- 82. History of American Foreign Policy.** Spring. M. W. F., 11:00. Three credit hours. Jensen. (Not given this year.)

This course traces the history of American foreign relations from the colonial period to the present. Attention is given to the principal issues of diplomatic controversy and settlement.

- 83. International Relations.** Autumn. M. W. F., 2:00. Three credit hours. Jensen.

A study of the major, contemporaneous problems and developments in the field of international relations.

- 85. International Organization and Government.** Winter. T. Th. Two credit hours. (Not given this year.)

The rise and development of international government; diplomatic intercourse of states, international executive, administrative, legislative and judicial functions, agencies of international intercourse and cooperation.

88. **The Pacific Area.** Winter. M. W. F., 9:00. Three credit hours. Carr.

A study of the economic, political, and colonial problems of this area, with the resulting international claims and rivalries.

90. **The Constitution of the United States.** Winter. M. W., F., 11:00. Three credit hours. Jensen. (Not given this year.)

A course dealing with the history and development of the Constitution of the United States, a study of its fundamental provisions, their interpretation, and their application in the functioning of the American system of government.

95. **Constitutional Law of United States.** Winter. Daily, 2:00. Five credit hours. Jensen.

Jurisdiction of federal courts, citizenship, naturalization, suffrage, personal liberty, protection to persons accused of crime, due process and equal protection of the laws, police power, eminent domain, taxation, regulation of commerce, impairment of obligations of contracts, etc. A standard book of cases will be used.

Graduate Courses

151. **Early European Political Philosophy.**
152. **Modern European Political Philosophy.**
153. **American Political Theories.**
163. **Municipal Problems.**
174. **English Government and Politics.**
175. **The British Commonwealth of Nations.**
177. **Political Party Systems in the United States and in European Countries.**
180. **International Law as Administered by the Courts.**
181. **The Conduct of American Foreign Relations.**
182. **History and Problems of American Foreign Policy.**
183. **International Relations and World Politics.**
190. **The Constitution of the United States.**

195. Constitutional Law of the United States.

198. Research in Political Science.

200. Research for Master's Thesis.

Psychology

*Professors Poulson, Lambert; Associate
Professors Gibb, Allen.*

All students in the university may find in this department courses of importance to their personal development and often, also, courses of vital importance to their professional training. They may find here groups of courses designed to serve their special interests in teaching, homemaking, business, industry, personnel work, social work, counseling, law, medicine, nursing, or graduate study in psychology.

A major in the department requires a total of thirty-six hours. These should include not less than eighteen hours selected from Psychology 52, 55, 56, 76, 87, 90, and 93. A minor in psychology requires a total of twenty-two hours, including a course each in experimental psychology, psychological tests, and advanced general psychology. Students who are majoring or minoring in psychology would do well to see the department head about appropriate supporting work in other departments.

Lower Division Courses

1. **Effective Study.** Autumn, Winter, Spring. T. Th., 2:00. Two credit hours. Staff. Additional sections: Autumn, T. Th., 10:00; Winter, T. Th., 11:00. Spring, T. Th., 9:00.

A practical course intended to help especially freshmen who wish to learn how to budget their time and to acquire better techniques of note-making, memorizing, thinking, and other study habits.

11. **General Psychology.** Autumn, Winter, Spring. Daily, 8:00. Autumn, Winter. Daily, 9:00. Five credit hours. Staff.

This course aims to provide a good introductory foundation for the whole field of modern scientific psychology. Classroom work will be supplemented by demonstrations and simple experiments.

12. **Applied Psychology.** Autumn, Spring. M. W. F., 9:00. Winter. M. W. F. 8:00. Three credit hours. Staff.

Study of certain important applications of psychological principles in everyday life including mental health, selecting a vocation, safety problems, psychology in home life, etc

30. **Experiments in General Psychology.** Autumn, Winter, Spring. Section I: M. W. F., 1:00-3:00. Section II: M. T. Th, 1:00-3:00 Two credit hours. Gibb.

An introduction to laboratory work in the field of general psychology with demonstrations and experiments. May be taken along with or subsequent to Psychology 11.

Upper Division Courses

50. **Psychology of Aesthetics.** Spring. M. W. F., 11:00. Three credit hours. Gibb.

A consideration of the contributions of psychology to the field of art, music, literature, and the theatre.

52. **Elementary Statistics.** Winter. M. W. F., 2:00. Three credit hours. Lambert. (See Educational Administration 52.)

53. **Statistical Methods.** Spring. M. W. F., 8:00. Three credit hours. Gibb.

A continuation of Psychology 52. Special emphasis will be placed upon such topics as correlation, sampling errors, and comparison of groups as problems in research in psychology, education, and related fields.

55. **Experimental Psychology.** Autumn, Spring. Laboratory. M. W. F., 2:00-5:00. Three credit hours. Gibb.

Lectures, demonstrations, and laboratory work in such fields as learning, memory, problem solving, work, and fatigue.

56. **Experimental Psychology.** Winter. Laboratory. M. W. F., 2:00-5:00. Three credit hours. Gibb.

Lectures, demonstrations, and laboratory work in such fields as sensation, perception, emotional expression, and reaction time.

- 58. Educational Psychology.** Autumn. M. W. F., 10:00. Allen. Winter. M. W. F., 11:00. Three credit hours. Gibb.

A consideration of learning, individual differences, mental development, and personality as related to certain problems in secondary education.

- 60. Social Psychology.** Autumn. Daily. 2:00. Five credit hours. Poulson.

Social stimulation and response. Suggestion, propaganda, conflict. Psychology of leadership. Development of religion and other social institutions. Educational implications. Prerequisite: Psychology 11, or its equivalent.

- 64. Industrial Psychology.** Autumn. M. W. F., 11:00 Three credit hours. Poulson. (See Accounting and Business Administration 64.)

Important applications of psychology in employer-employee relationships, efficiency problems, motivation, safety and other personnel problems. Psychological tests and interpretation of results as applied to industry. Prerequisite: Psychology 11, or equivalent.

- 65. Business Psychology.** Spring. M. W. F., 11:00. Three credit hours. Poulson.

A brief consideration of the psychological aspects of business, especially in the fields of advertising, personal selling, and research technique in these fields. Prerequisite: Psychology 11, or equivalent.

- 68. Psychology of Childhood and Adolescence.** Winter. M. W. F., 10:00. Three credit hours. Poulson.

Psychological description of the individual's development from birth to maturity, and theories of mental growth. Practical implications for parents, teachers, and social workers. (See Household Administration 68.) Prerequisite: Psychology 11, or equivalent.

- 69. Mental Hygiene.** Spring. M. W. F., 10:00. Three credit hours. Poulson.

A consideration of certain practical applications of mental hygiene of immediate value to students in meeting many of their personal problems. Also applications in educational and remedial social work will be indicated. Prerequisite: Psychology 11 or equivalent. (See Household Administration 69.)

- 70. Clinical Psychology.** Spring. M. W. F., 11:00. Three credit hours. Allen.

A consideration of diagnostic techniques and the evaluation of remedial procedures for personality and behavior difficulties, particularly in children. Recommended for social workers, prospective parents, and teachers. Prerequisite: Psychology 11 or equivalent.

71. Clinical Practice. Two credit hours. Allen.

Actual testing, interviewing, and diagnosis of clinic cases referred by Relief Societies and other welfare agencies: practice in counseling for adoption and foster care, for juvenile courts, for institutional placement, for public school problems. Prerequisites: Psychology 70, 76, 77. (Not given this year.)

72. Abnormal Psychology. Winter. M. W. F., 10:00. Three credit hours. Allen.

Review of theories of mental disturbances; abnormal psychological functions, disorders of sensation, perception, reasoning processes, emotion, motivations, and integration of personality; description of major psychoses; modern treatments. Prerequisites: Psychology 11 or equivalent, and consent of instructor.

73. Principles of Psychotherapy. Spring. M. W. 10:00. Two credit hours. Allen.

Therapeutic interviewing, ventilation of conflicts, relationship therapy, play therapy, psychodrama; professional relationships and ethics. Designed as a preliminary survey for advanced students intending to enter counseling field. Prerequisite: Psychology 70 and consent of instructor.

76. Psychological Tests. Autumn. M. W. F. 11:00. Three credit hours. Allen.

Historical background of psychological tests, present status; emphasis on work of Binet and individual tests; principles of test construction; scientific interpretation of results research contributions of tests. Prerequisite: Psychology 11.

77. Individual Test Practice. Winter. W. 3:00. Laboratory hours to be arranged. Three credit hours. Allen.

Supervised practice in administration of psychological tests, with special emphasis on the Revised Stanford-Binet and other individual tests. Prerequisite: Psychology 76.

78. Group Tests. Winter. 11:00. M. W. Two credit hours. Allen.

Survey of group tests of intelligence, personality, vocational interests, and special aptitudes; emphasis on criteria for selecting tests for various purposes and proper interpretation of results; statistical treatment of results. Prerequisites: Psychology 11. Psychology 52, 53 and 76 are recommended.

- 79. Group Test Practice.** Spring. W. 4:00. Laboratory hours to be arranged. Two credit hours. Allen.

Supervised drill in administering, scoring, and interpreting group tests, and some other tests not of Binet type. Prerequisite: Psychology 78.

- 80. Comparative Psychology.** Three credit hours. Allen.
(Not given this year.)

- 81. Physiological Psychology.** Three credit hours. (Not given this year.)

- 83. Psychology of Personality.** Winter. M. W. F. 10:00. Three credit hours. Poulson.

A consideration of the psychological foundations of human conduct. Varieties of adjustive and non-adjustive behavior. Problem of personality types. Prerequisite: Psychology 11. (Not given this year.)

- 85. Psychology of Motivation.** Autumn. M. W. F., 8:00. Three credit hours. Gibb.

A careful review of some of the important experimental investigations of animal, child, and adult human motivation. Implications for parents, teachers, and social workers. Prerequisite: Psychology 11.

- 87. History and Modern Viewpoints.** Winter. Daily. 9:00. Five credit hours. Poulson.

A consideration of the historical background of present-day psychology and a comparative study of several of the important contemporary schools of psychology. Prerequisite: Psychology 11.

- 90. Advanced General Psychology.** Spring. Daily. 9:00. Five credit hours. Gibb.

A more intensive consideration of the facts and principles of general psychology, with emphasis upon certain topics of interest to advanced students. Prerequisites: Psychology 11 and at least three hours of experimental psychology.

- 91, 92, 93. Psychology Seminar.** Autumn, Winter, Spring. Time

to be arranged. One credit hour each quarter. Staff.

Reports and discussion on special topics and current psychological literature. All upper-division students majoring or minoring in psychology are recommended to at least attend as many sessions as possible.

GRADUATE COURSES

- 155, 156. **Experimental Psychology.** Autumn, Winter, Spring. Laboratory. M. W. F., 2:00-5:00. Three credit hours. Gibb.
158. **Educational Psychology.** Autumn. M. W. F., 10:00. Allen. Winter. M. W. F., 11:00. Three credit hours. Gibb.
160. **Social Psychology.** Autumn. Daily. 2:00. Five credit hours. Poulson.
168. **Psychology of Childhood and Adolescence.** Winter. M. W. F., 10:00. Three credit hours. Poulson.
169. **Mental Hygiene.** Spring. M. W. F. 10:00. Three credit hours. Poulson.
171. **Clinical Practice.** Two credit hours. Allen.
(Not given this year.)
173. **Principles of Psychotherapy.** Spring. M. W. 10:00. Two credit hours. Allen.
180. **Comparative Psychology.** Three credit hours. Allen.
(Not given this year.)
181. **Physiological Psychology.** Three credit hours.
(Not given this year.)
183. **Psychology of Personality.** Winter. M. W. F. 10:00. Three credit hours. Poulson.
185. **Psychology of Motivation.** Autumn. M. W. F, 8:00. Three credit hours. Gibb.
187. **History and Modern Viewpoints.** Winter. Daily. 9:00. Five credit hours. Poulson.
190. **Advanced General Psychology.** Spring. Daily. 9:00. Five credit hours. Gibb.
- 191, 192, 193. **Psychology Seminar.** Autumn, Winter, Spring. Time to be arranged. One credit hour each quarter. Staff.

200. Thesis in Psychology. Winter or Spring. Three to five credit hours. Poulson.

Research work in the preparation of a Master's Thesis.
Prerequisite: Consent of head of department.

Sociology

*Professors Christensen, Ballif; Assistant Professor Bradford;
Professors Emeritus Swensen, Boyle.*

As a prerequisite to any upper division course in the department, students must take either Sociology 11 or 12.

Majors in the department are required to take courses 11, 12, 53, 55, 70, 79, 80, 81, 82, and 98. Should an exemption from any of these course requirements seem advisable, it must be obtained before the Senior year by making special arrangements to substitute other courses for the one omitted.

Majors and minors are not only advised to take as many courses in the department as they can, but to broaden their background with courses in related fields; such as Economics, History, Political Science, Psychology, Zoology, Geography, Geology, Philosophy of Education, etc.

Sociology is one of the subjects comprising the composite major in Social Science designed for prospective teachers.

Lower Division Courses

11. Introduction to the Study of Sociology. Autumn. Christensen at 8:00, Ballif at 2:00. Winter, Bradford at 8:00, Christensen at 2:00. Spring, Ballif at 8:00, Bradford at 2:00. Daily. Five credit hours.

This course is designed to give the groundwork for social study. It presents a general view of social organization, social forces, and a practical working theory of the nature of society.

12. Social Problems. Autumn, Bradford. Winter, Ballif. Spring Christensen. Daily 8:00. Five credit hours each quarter.

This course deals with specific social problems such

as crime, poverty, racial conflicts, etc. Discussions, papers, and assigned readings.

Upper Division Courses

51. **Community Organization and Leadership.** Autumn, M. W. F., 1:00. Three credit hours. Ballif.

Problems of community life and action, and the methods of promoting them through organization and leadership.

53. **Rural Sociology.** Autumn. M. W. F., 11:00. Three credit hours. Bradford. (See Agricultural Economics 53.)

Survey of social conditions in the rural life of America, in operation at the present time.

55. **Principles of Sociology.** Winter. M. W. F., 8:00. Three credit hours. Swensen.

57. **Population Problems.** Winter. M. W. F. 10:00. Three credit hours. Christensen.

A study of the growth and distribution of population. Such subjects as population density and mobility, birth and death rates, eugenic considerations, etc., will be discussed.

58. **Human Ecology.** Winter. T. Th., 9:00. Two credit hours. Bradford.

A study of the spacial relationships of man as determined by his adaptation to physical and social environment. Discussions will center on such subjects as isolation, interaction, segregation, invasion, etc.

61. **Education Sociology.** Autumn. M. W. F, 8:00. Three credit hours. Swensen.

An introductory study of the principles of educational sociology and their application to the theory and practice of school administration, curricula and methods of instruction.

65. **Marriage.** Winter. M. W. F., 3:00. Three credit hours. Christensen.

An advanced course designed for the specialist in family counseling, and for both the married and those ready for marriage who desire a better understanding of this institution and the problems involved. Sociological discussions will be supplemented from time to time by lectures from specialists in other fields.

- 66. Urban Sociology.** Autumn. M. W. F., 2:00. Three credit hours. Bradford.

A study of the evolution and problems of urban life, with special emphasis on the economic, ethical, and political influence of cities on modern society.

- 70. Social Control.** Spring. M. W. F., 8:00. Three credit hours. Swensen.

A study of the means of control of the individual by groups. Such agencies as public opinion, belief, social suggestions, ceremony, personal ideals, etc., will be studied in detail.

- 71. Juvenile Sociology.** Autumn, Winter, or Spring. T. Th., 9:00. Two credit hours. Boyle.

This course deals with the educational problems of the adolescent, as related to the home, the school, industry, the community, and his own group.

- 72. Crime and Delinquency.** Winter. M. W. F., 1:00. Three credit hours. Ballif.

A study of the nature and extent of crime, particularly in the United States. The course deals with the causes and also the treatment of crime, as it is followed in our penal institutions.

- 74. Social Psychology.** Spring. M. W. F., 2:00. Three credit hours. Christensen.

A study of the social factors which influence human behavior. This course attempts to evaluate the social significance of mob-mind, propaganda, and other group phenomena.

- 75. The Family.** Spring. M. W. F., 10:00. Three credit hours. Christensen.

A study of the history and development of the family as a social institution. The course also considers the modern family and its problems.

- 76. An Introduction to the Field of Social Work.** Autumn. T. Th., Two credit hours. Ballif.

An introductory survey of various fields and methods of social work; the extent of social work and its implications for related professions.

- 77, 78. Social Case Work.** Winter and Spring. Th., 4:00 to 6:00. Two credit hours each quarter. Staff.

Principles and practices of case work with the maladjusted and the dependent.

79. **Methods of Research in Sociology.** Autumn. M. W. F., 10:00. Three credit hours. Christensen.

A critical survey of the various methods used in the investigation of sociological data. An attempt will be made to develop a theory of social research.

80. **Social Statistics.** (See Economics 74.)
81. **The History of Social Theory.** Winter. M. W. F., 9:00. Three credit hours. Bradford.

The course deals with evolution of social theories beginning with Plato and considering the developments through the early Christian Era and also the Medieval and modern social theorists.

82. **Contemporary Sociology.** Spring. M. W. F., 9:00 Three credit hours. Bradford.

A consideration of the present-day sociologists and their contributions. Attention is given to the writings of leading social technologists.

- ✓ 83. **Social Ethics.** (See Philosophy of Education 90.)

85. **Social Legislation.** Winter. M. W. F., 11:00. Three credit hours. Ballif.

The underlying principles and techniques of social legislation. A consideration of social legislation now operative, particularly in Utah, with special reference to needed measures.

- ✓ 86. **The Cooperative Movement.** Spring. T. Th., 1:00. Two credit hours. Ballif.

The meaning of cooperation and the development of the cooperative movement. The course logically includes consideration of the types of cooperatives, the problems that have grown up with them and a consideration of the problems upon which cooperatives work.

90. **Labor Problems.** (See Economics 61.)

93. **Race and Racial Problems.** Spring. M. W. F., 1:00. Two credit hours. Ballif.

An analysis of the classifications and distribution of races, and of the problems which grow out of racial conflict.

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95. **The Sociology of Religion.** Autumn. T. Th., 9:00. Two credit hours. Christensen.

A study of religion as a social institution. Analysis will be made of the structure and social function of the church, of significant trends and social problems in religious behavior, and of the role of the church in the community and society at large.

96. **Cultural Anthropology.** Spring. M. W. F., 11:00. Three credit hours. Bradford.

An analysis of the social institutions of primitive people and how those institutions have developed. The meaning and content of culture.

- 98 and 99. **Seminar.** Winter. Time to be arranged. Two credit hours. Staff.

Informal round-table discussions on current sociological problems.

Graduate Courses

- 101, 102, 103. **Research.** Time and credit to be arranged. Staff.

Opportunity is given for the student to work out a problem in the field of his greatest interest. Direction in the methodology of research in the social science field, and in the presentation of material.

151. **Community Organization and Leadership.** Autumn. M. W. F., 1:00. Three credit hours. Ballif.

153. **Rural Sociology.** Autumn. M. W. F., 11:00. Three credit hours. Bradford.

155. **Principles of Sociology.** Winter. M. W. F., 8:00. Three credit hours. Swensen.

157. **Population Problems.** Winter. M. W. F., 10:00. Three credit hours. Christensen.

158. **Human Ecology.** Winter. T. Th., 9:00. Two credit hours. Bradford.

161. **Educational Sociology.** Autumn. M. W. F., 8:00. Three credit hours. Swensen.

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165. **Marriage.** Winter. M. W. F., 3:00. Three credit hours. Christensen.

166. **Urban Sociology.** Autumn. M. W. F., 2:00. Three credit hours. Bradford.

170. **Social Control.** Spring. M. W. F., 8:00. Three credit hours. Swensen.
171. **Juvenile Sociology.** Autumn, Winter, Spring. T. Th., 9:00. Two credit hours. Boyle.
172. **Crime and Delinquency.** Winter. M. W. F., 1:00. Three credit hours. Ballif.
174. **Social Psychology.** Spring. M. W. F., 2:00. Three credit hours. Christensen.
175. **The Family.** Spring. M. W. F., 10:00. Three credit hours. Christensen.
176. **An Introduction to the Field of Social Work.** Autumn. T. Th., 1:00. Two credit hours. Ballif.
- 177, 178. **Social Case Work.** Winter and Spring. Th., 4:00-6:00: Two credit hours each quarter. Staff.
179. **Methods and Research in Sociology.** Autumn. M. W. F., 10:00. Three credit hours. Christensen.
180. **Social Statistics.** Winter. Three credit hours. (See Economics 74.)
181. **The History of Social Theory.** Winter. M. W. F., 9:00. Three credit hours. Bradford.
182. **Contemporary Sociology.** Spring. M. W. F., 9:00. Three credit hours. Bradford.
183. **Social Ethics.** (See Philosophy of Education, 90.)
185. **Social Legislation.** Winter. M. W. F., 11:00. Three credit hours. Ballif.
186. **The Cooperative Movement.** Spring. T. Th., 1:00. Two credit hours. Ballif.
190. **Labor Problems.** Autumn. Three credit hours. (See Economics 61.)
193. **Race and Race Problems.** Spring. M. W. F., 1:00. Three credit hours. Ballif.
195. **The Sociology of Religion.** Autumn. T. Th., 9:00. Two credit hours. Christensen.
196. **Cultural Anthropology.** Spring. M. W. F., 11:00. Three credit hours. Bradford.

~~198, 199. Seminar.~~ Winter. Time to be arranged. Two credit hours. Staff.

200. Thesis.

Zoology and Entomology

Professors Tanner, Cullimore, Associate Professors Hayward, Beck.

Students majoring in this department must complete courses 11, 18, 28, 30, 55 or 73, 57, 59, 65, 70, 72, 75, and 97. Substitution of other courses is permitted in special cases. Students are advised to complete two years of German and French if they contemplate doing advanced work in Zoology or Entomology. All course work should be taken in the following sequence: Freshman 11, 18, and 30; Sophomores 28, 65, and 55 or 73; Juniors 57, 59, and 70; Seniors 72, 75, and 97.

Students who expect to study Medicine may take Zoology for their major subject and should complete the following courses in the sequence indicated: Freshmen 11 and 18; Sophomores 65 and 55 or 73, Juniors 70, 71 and 56; Seniors 72 and 75.

Students who desire to teach Biology in the high school should complete the following courses: 11, 18, 28, 30, 57, 53, 59, 45, and 77; Botany 1, 2, 3, and 60; Bacteriology 21 and 22.

Zoology and Entomology are two of the subjects comprising the composite major in **Biological Science** designed for prospective teachers and described in the section entitled "Colleges" in the introduction to the catalogue.

Facilities for the Study of Zoology and Entomology

The natural history collections consist of a very complete collection of Utah fish, amphibians, reptiles, birds, and mammals. This collection is also supplemented by the Chester Van Buren collection of birds from Magdalena River of Colombia, the David Starr Jordan collection of fish from the Hawaiian Islands, and a collection of reptiles from Oceania and Philippine Islands. The entomological collection contains authoritatively named specimens in all the orders of insects. The pinned insects are placed in four hundred trays, 18x19 inches in size, two inches deep. The specimens are pinned in unit

boxes. The Lepidoptera collection is a very complete one of specimens from Utah and the Great Basin region. It contains over six hundred named species and ten thousand specimens. It is made up of the famous Tom Spaulding collection and the Chester Van Buren collections. The Coleoptera collections contains over six thousand determined species and forty thousand specimens. It contains a very complete collection of weevils, the Chas. W. Leng collection of 1676 species, 300 species from the Blatchely collection and the Charles Schaeffer weevil collection consisting of 813 species. A large collection of insects was made by staff members and former students in the South Pacific Islands 1942-45. Many type, cotype, and paratype specimens are in the collections. All these collections are housed in the new fireproof Geo. H. Brimhall Building.

ZOOLOGY

Lower Division Courses

11. **General Zoology.** Autumn, Winter, or Spring. M. W. F., 9:00. Laboratory, Sec. 1, T. Th., 1:00-3:00. Sec. 2, T. Th., 3:00-5:00. Sec. 3, M. W., 1:00-3:00. Sec. 4, M. W., 3:00-5:00. Five credit hours. Beck.

Fundamentals of structure, physiology, development, heredity, adaption, classification, and bearing of Biology on human life.

18. **Heredity.** Autumn, Winter. M. W. F., 8:00. Three credit hours. Tanner. (In Spring quarter, given in conjunction with Zoology 97.)

A study of the facts which form a basis for the knowledge of heredity and variation in plants and animals, with special emphasis on heredity in man. The course is designed to give prospective teachers a good background in facts relating to the importance of heredity and environment in the development and life of man. Prerequisite: A course in General Zoology or General Botany.

21. **Heredity Laboratory.** Autumn, Winter. T. Th., 8:00-10:00. Two credit hours. Tanner.

A study of the facts which form the basis of our knowledge of heredity in plants and animals. This course may be taken along with Zoology 18 and Zoology 18 is a prerequisite.

28. **Aquatic Zoology.** Autumn. M. W., 9:00. F., 1:00-3:00. Three credit hours. Tanner.

A general course in the study of fresh water animals of Utah Lake.

- 45. Vertebrate Anatomy and Physiology.** Winter and Spring. M. W. F., 8:00. Laboratory, T. Th., 1:00-3:00. Four credit hours. Hayward.

This course is designed for the majors and minors in physical education. The instruction will provide for a preparation to teach such subjects as physiology, hygiene, and general zoology in the high school curricula. A general survey of the vertebrate animals will be undertaken. A thorough appreciation of comparative anatomy of representative vertebrates and their physiology will constitute the main part of the laboratory work.

- 46. Principles of Ecology and Bio-geography.** Winter. M. W. F., 9:00. Three credit hours. Hayward.

The classification, organization and distribution of plant-animal communities will be considered. Emphasis will also be placed on the environmental and biotic factors that influence organisms. Prerequisites: Zoology 11 and Botany 1 and 2.

Upper Division Courses

- 53. Field Methods in Ecology and Faunistics.** Spring. Time to be arranged. Five credit hours. Hayward.

Designed for students of wildlife management, or for those who pursue advanced studies in ecology or field zoology. Methods in the collection, preparation, and analysis of ecological data in the field and laboratory. Open only to students with a broad background in zoology, entomology, and botany.

- 55. Invertebrate Zoology.** Winter. T. Th., 10:00. Laboratory, M. W. F., 3:00-5:00. Five credit hours. Beck.

This course is designed to follow Zoology 11, and is intended to give the students a broader knowledge of the morphology and relationship of the invertebrate groups.

- 56. Comparative Anatomy.** Autumn. T. Th., 9:00. M. W. F., 2:00-5:00. Five credit hours. Hayward.

A detailed study of the comparative anatomy of the vertebrates. Prerequisite: Zoology 11 and 55.

- 57. Vertebrate Zoology. Birds and Mammals.** Spring. M. W., 9:00. Laboratory, M. W., 1:00-3:00. Saturday field trips. Five credit hours. Hayward. (Not given this year.)

A course in the evolution, structure, classification, and distribution of birds and mammals with special reference to the Utah species. Prerequisite: Zoology 11.

- 59. Cold Blooded Vertebrates: Fish, Amphibians and Reptiles.** Winter. M. W., 9:00. Five credit hours. Tanner.

An introductory course dealing with the problems relating to the evolution, life history and classification of cold blooded vertebrates found in this region.

- 65. Human Physiology.** Autumn. M. W. F., 9:00. Laboratory T. Th., 2:00-5:00. Five credit hours Hayward.

This course is designed to give the student a working knowledge of the life processes as they function in man. Prerequisite: Zoology 11. (See Animal Husbandry 65.)

- 70. Histological Organography and Technique.** Winter. T. Th., 9:00. Laboratory, M. W. F., 3:00-5:00. Three or five credit hours. Hayward.

A microscopic study of the tissues and organs of vertebrates and the technique of preparing slides. Students desiring the course without the technique part will register for three credit hours only. Prerequisite: Zoology 11.

- 72. General Embryology.** Spring. T. Th., 1:00-5:00. Three credit hours. Hayward.

The origin and development of the organs and organ-systems of vertebrate animals, especially the chick, are studied.

- 73. Animal Parasitology.** Spring. T. Th., 10:00. Laboratory, M. W., 3:00-5:00. Four credit hours. Tanner.

A general course dealing with a study of the more common animal parasites, their identification and pathogenic characteristics. Prerequisites: Zoology 11 Entomology 30. This course or Zoology 55 may be used to fill pre-medical requirements.

- 75. History of Biology.** Winter. T. Th., 10:00. Two credit hours. Tanner.

A study of the development of biological thought from the time of the earliest writers to the present.

- 80, 81. Junior Year Seminar. 82, 83. Senior Year.** Autumn, Winter. F., 5:00. One credit hour for each quarter. Staff.

Required of all majors in this department during their junior and senior years.

- 85. Fresh Water Zoology Problems.** Spring. Time and credit to be arranged. Tanner.

Special problems dealing with the Plankton, Molluska, insects, fish, etc., of the lake. Problems will be assigned to individual students.

- 91, 92, 93. Field Zoology.** Time and credit to be arranged. Tanner, Beck, and Hayward.

Students may make extensive collections of the animal life of this state or adjoining states and then make a report of the same. This course aims to give training in systematic Zoology and museum work.

- 97. Genetics and Racial Hygiene.** Spring. M. W. F., 10:00. Three credit hours. Tanner.

This course attempts to lay a foundation for the understanding of the various problems which relate to the origin and genetics of the human race, with emphasis upon such phases as race origins, race deterioration, race supremacy, and race betterment. The subject matter of the course will include such topics as the following: origin, characteristics and classification of the main divisions of races; population policies, problems of eugenics and genetics; marriage laws, in-breeding and out-breeding; sterilization laws; and future of the human race and race betterment.

Graduate Courses

- 113, 114, 115. Research Work in Systematic Vertebrate Zoology.** Time and credit to be arranged.

- 117, 118, 119. Zoological Research.** Time and credit to be arranged.

This course is open to all students prepared to do graduate work in any branch of zoological science.

- 153. Field Methods in Ecology and Faunistics.** (See 53.) Hayward.

- 154. Special Problems in Animal Ecology.** Hayward.

- 157. Vertebrate Zoology.** (See Course 57.)

- 159. Cold Blooded Vertebrates.** (See Course 59.)

- 175. History of Biology.** (See Course 75.)

- 197. Genetics and Racial Hygiene.** (See Course 97.)

200. Research Thesis. Credit by arrangement.

This course is required of all students seeking a master's degree in this department.

ENTOMOLOGY**Lower Division Courses**

- 30. Elementary Entomology.** Autumn. M. W. F., 10:00. Laboratory, M. W., 2:00-4:00. Five credit hours. Tanner.

This course is intended to interest students in insect life. A study of the structure, development and classification of some of the more important insects will form a basis of this course.

- 31. Morphology and Classification of Insects.** Spring. M. F., 9:00. Laboratory T. W. Th., 1:00-3:00. Five credit hours. Tanner.

It is the purpose of this course to teach the structures of insects and the importance of these structures in a systematic study of these arthropods. A few typical insects will be thoroughly studied. Students will collect and study systematically the insect fauna of the Provo region. Prerequisite: Entomology 30.

- 32. Insect Classification** Spring. M., 9:00. Laboratory, W. Th. F., 1:00-3:00. Four credit hours. Tanner.

- 33. Medical Entomology.** Autumn. T. Th., 10:00. Laboratory. M. W., 2:00-4:00. Four credit hours. Tanner

This course is designed to fulfill requirements for sanitary and pre-medical work. A study is made of the insect borne diseases of the world as now known. Prerequisite: Zoology 11, Entomology 30.

Upper Division Courses

- 62. Advanced Study of the Coleoptera.** Autumn, Winter, Spring. Three credit hours. Time to be arranged. Tanner.

Students may study the weevils or other Coleoptera from the systematic, morphological, or economic standpoint.

- 63. Arthropods of the Intermountain States.** Spring. M. W. F., 10:00. Three credit hours. Tanner.

A general course dealing with the morphology, physiol-

ogy, and classification of the Arthropods of this region. An important course for all majors in Zoology.

- 64. Advanced Entomology.** Winter and Spring. Time and credit to be arranged.

Open only to advanced students who are prepared to do systematic, morphological, or economic work.

- 94. Principles of Nomenclature.** Winter. M., 4:00. One credit hour. Tanner.

A lecture course dealing with the principles of nomenclature and intended to meet the needs of students from any of the biological departments.

- 96. Special Problems in Entomology.** Winter and Spring. Two credit hours. Time to be arranged. Tanner.

Students will be encouraged to study the internal morphology of various groups of insects.

Graduate Courses

- 102, 103, 104. Special Problems in Systematic Entomology.** Time and credit to be arranged.

Studies in the structure and classification of certain groups of insects such as Coleoptera, Diptera, Hymenoptera, etc.

- 105, 106. Research Work In Insect Morphology.** Time and credit to be arranged.

Special emphasis will be placed upon the morphology of the beetles. However, students may choose any group for detailed study.

- 107, 108, 109. Special Problems in Economic Entomology.** Time and credit to be arranged.

The student is here given an opportunity to make a more or less detailed study of some insect or group of insects of economic importance. Students are encouraged to do considerable life history work.

- 110, 111, 112. History of Entomology.** A one-hour lecture or seminar course required of all graduate students. Time and credit to be arranged.

College of Commerce

Herald R. Clark, Dean

The purpose of the College of Commerce is to provide training for leadership in industry and finance. Courses are so arranged that students will be given the training that will best fit them for analyzing business conditions, for efficiency in office administration, and for the demands of the industrial and financial world. The degrees, Bachelor of Arts and Bachelor of Science, are given to graduates of this College.

Majors may be selected from the following departments: Accounting and Business Administration, Agricultural Economics, Economics, Finance and Banking, Marketing, Political Science, and Secretarial Practice.

DEPARTMENTS OF INSTRUCTION

Accounting and Business Administration

*Professors Hoyt, Clark, Boyle, Eyring, Poulson, Lambert;
Associate Professors Pond, Herbert; Assistant Professors
Taylor, Peterson, Holt; Mr. Crandall,
Mr. McNight*

Students majoring in this department are required to take courses 2, 35, 51, and 74 or 75.

Accounting is one of the subjects comprising the composite majors in **Business** designed for prospective teachers.

Lower Division Courses

1. **Elementary Accounting.** Autumn and Winter. Daily.

Autumn, 8:00-1:00. Daily laboratory for all sections, 2:00-5:00, one hour of which is required each day. Daily. Five credit hours. Holt, McKnight.

An introduction to college accounting. The aim of this course is two-fold: first, a preparation for those who plan to enter business at once, and second, as a foundation course for advanced work in accounting.

2. Elementary Accounting. Winter and Spring. Daily. 8:00-1:00. Daily laboratory for all sections, 2:00-5:00. Four hours per week. Five credit hours. Holt, McKnight. Continuation of Course 1.

35. Mathematical Theory of Investment. Winter. M. W. F., 2:00. Three credit hours. (See Mathematics 35.)

36. Graphical and Statistical Methods. Spring. M. W. F., 2:00. Three credit hours. (See Mathematics 36.)

Upper Division Courses

50, 51, 52. Intermediate Accounting. Autumn, Winter, Spring, M. T. W., Th.. 9:00. Four credit hours each quarter. Clark.

Primarily corporation accounting with special emphasis on problems of depreciation, bases of revaluation, inventorying, etc. Open to students who have had Accounting 2, or the equivalent.

54. Credits and Collections. Winter. M. W. F., 10:00. Three credit hours. Hoyt.

Principles governing the granting of credit, the control of the credit line, when and how collections are made, establishment of retail credit bureaus, contracts, installment selling plans.

55. Principles of Risk-Bearing. Winter. Daily. 8:00. Five credit hours. Boyle. (See Economics 55.)

60. Office Organization and Management. Spring. M. W. F., 10:00. Three credit hours. Hoyt.

Considerations involved in the organization and management of modern offices, including a study of the application of office machinery, equipment, and labor saving devices; and the selection and training of office employees.

- 61. Labor Problems.** Autumn. M. W. F., 10:00. Three credit hours. Miller.
(See Economics 61.)

- 62. Business and Industrial Management.** Winter. M. W. F., 10:00. Three credit hours. Hoyt.

The organization and planning of business operations for the most effective control and execution.

- 63. Personnel Management.** Spring. Daily. 10:00. Five credit hours.

Principles and techniques involved in developing a modern personnel organization for protecting the welfare of employees and promoting effective labor management. Employee selection, training, promotion, and incentives are stressed.

- 64. Industrial Psychology.** Autumn. M. W. F., 11:00. Three credit hours. Poulson. (See Psychology 64.)

- 65. Business Psychology.** Spring. M. W. F., 11:00. Three credit hours. Poulson. (See Psychology 65.)

- 74. Principles of Statistics.** Winter. M. W. F., 11:00. Spring, 8:00. Three credit hours. Lambert.

Introduction to statistics; 75 or this course, required of all majors in Economics, Finance and Banking, Accounting and Business Administration.

- 75. Business and Economic Statistics.** Winter, Spring. M. W. F., 9:00. Three credit hours each quarter. Hoyt, Holt.

Fundamental methods of statistics in business and economic applications. This course or 74 required of all majors in accounting and business economics, finance and banking and marketing.

- 91. Cost Accounting.** Autumn. M. T. W. F., 8:00. Four credit hours. Hoyt.

Introduction to methods and principles of cost finding. Specialized methods of handling materials, costs, labor costs and overhead expense. Prerequisites: Accounting and Business Administration 50, 51, and 52.

- 92. Advanced Cost Accounting.** Winter. M. T. W. F., 8:00. Four credit hours. Hoyt.

Industrial accounting. Practical work in cost determination. Analysis of uniform cost accounting systems of modern industries. Prerequisite: Accounting and Business Administration 91.

- 93. Income Tax Procedure.** Winter. M. W. F., 11:00. Three credit hours. Hoyt.

Federal and State income tax regulations and procedure. This course is designed to qualify the student for practical income tax work. Prerequisite: Accounting and Business Administration 50, 51, and 52.

- 94. Auditing Theory.** Autumn. M W F, 11:00 Three credit hours. Hoyt.

Principles and methods of public accounting work. Rules of professional responsibility and conduct. Advanced interpretation of accounts and financial statements. Prerequisites: Accounting and Business Administration 50, 51, and 52.

- 95. Auditing Practice.** Spring. M. W. F., 11:00. Three credit hours. Hoyt.

Practical work in auditing. Technique of verification of accounts and financial statements. Audit working papers. Prerequisite: Accounting and Business Administration 94.

- 96, 97, 98. C.P.A. Problems.** Autumn, Winter, Spring. Daily. Five hours each quarter. Herbert.

Intensive coaching in problems and questions asked in the American Institute of Accountants' examinations; correct analysis, correct form, and speed in solving problems.

- 99. Business Policy.** Spring. M. W. F., 9:00. Three credit hours. Hoyt.

This course summarizes into a unified whole all the work given in this field of business administration and emphasizes the business policies involved. Open only to seniors in business, or juniors by permission of instructor.

Graduate Courses

- 101. **Cost Accounting.** (See Accounting and Business Administration 91.)
- 102. **Advanced Cost Accounting.** (See Accounting and Business Administration 92.)
- 103. **Income Tax Procedure.** (See Accounting and Business Administration 93.)
- 104. **Auditing Theory.** (See Accounting and Business Administration 94.)
- 105. **Auditing Practice.** (See Accounting and Business Administration 95.)
- 106, 107, 108. **C. P. A. Problems.** (See Accounting and Business Administration 96, 97, 98.)
- 111, 112, 113. **Research in Accounting.** Hours and credit to be arranged.
- 114, 115, 116. **Research in Statistics.** Hours and credit to be arranged.
- 181, 182, 183. **Seminar in Business Psychology.** One to three credit hours. (See Psychology 181, 182, 183.)
- 200. **The Master's Thesis in Business Administration.** Each quarter. Staff.

Credit of not more than six hours is given upon the completion of an acceptable thesis that embodies the results of independent research in some approved field. Students should read the section of the catalogue that contains the requirements of the graduate school.

Agricultural Economics

*Professor Hoyt; Associate Professor Pond;
Assistant Professor Taylor.*

The following courses are required for a major in Agricultural Economics: Economics 1, 2, 94 and 74, or Accounting 75; Agricultural Economics 30, 60, 67, 81 and 82. Credit for Economics 74 and 94 will apply toward a major in Agricultural Economics.

Lower Division Courses

- 30. Principles of Agricultural Economics.** Autumn. M. W. F., 9:00. Three credit hours. Prerequisites: Economics 1 and 2.
- 32. Marketing Fruits and Vegetables.** Spring. M. W. F., 11:00. Three credit hours. (See Horticulture 32.)

Upper Division Courses

- 53. Rural Sociology.** Spring. M. W. F., 11:00. Three credit hours. (See Sociology 53.)
- A survey of social conditions in the rural life of America, with special reference to those social processes which are in operation at the present time.
- 57. Principles of Marketing.** Autumn. M. W. F., 2:00. Three credit hours. Hoyt. (See Marketing 57.)
- 60. Farm Management.** Winter. M. W. F., 1:00. Three credit hours. (See Agronomy 60.)
- 61. Conservation and Land Utilization.** Winter. M. W. F., 11:00. Three credit hours. (See Geography 61.)
- 67. Agricultural Marketing.** Winter. M. W. F., 10:00. Three credit hours. Hoyt, (See Marketing 67.) (Not given this year.)
- 81. Land Economics.** Winter. M. W. F., 9:00. Three credit hours.

Principles relating to the utilization, tenure, and conservation of land resources. Prerequisite: Agricultural Economics 30.

82. **Agricultural Finance.** Spring. M. W. F., 2:00. Three credit hours. (Not given this year.)

A study of agricultural credit, with special reference to existing financial organizations and their relation to agriculture. Prerequisite: Agricultural Economics 30

91. **Western Land Problems.** Spring. M. W. F., 9:00. Three credit hours.

A survey of the outstanding land problems of the western states, particularly those of the Rocky Mountain area. Special class reports by students will be required.

92. **American Agricultural Reform.** Spring. M. W. F., 9:00. Three credit hours. (Not given this year.)

A review of the agrarian movements for economic and social reform in America, including recent and current programs for farm relief.

93. **Economic History of Agriculture.** Spring. M. W. F., 9:00. Three credit hours. (Not given this year.)

The development of agriculture from its beginning in the Old World to the present time. Historical background of contemporary agricultural problems.

Graduate Courses

181. **Land Economics.** Winter. M. W. F., 9:00. Three credit hours.

182. **Agricultural Finance.** Spring. M. W. F., 2:00. Three credit hours. (Not given this year.)

191. **Western Land Problems.** Spring. M. W. F., 9:00. Three credit hours.

192. **American Agricultural Reform.** Spring. M. W. F., 9:00. Three credit hours. (Not given this year.)

200. **Thesis.**

Economics

Professors Miller, Hoyt, Boyle, Lambert; Associate Professor Pond; Assistant Professor Taylor; Mr. Holt.

The following courses are required for a major in Economics: Economics 1, 2, 14, 74, or Accounting 75, 94.

Economics is one of the subjects comprising the composite majors in **Business** and in **Social Science** designed for prospective teachers.

Lower Division Courses

1. **Economics—Introduction and Principles.** Autumn, Sec. 1, 8:00; Sec. 2, 9:00; Sec. 3, 2:00. Winter, two sections, 8:00 and 1:00; Spring, one section, 2:00. Daily. Five credit hours each quarter. Staff.

A general survey of industrial society, its structure, its institutions and operation. A brief survey of prices, money, banking, wages, interest, rent, and profits.

2. **Economics—Contemporary Economic Problems.** Winter, Spring. Daily, 9:00. Five credit hours each quarter. Miller.

A more advanced study of the underlying principles of economics. Includes an intensive study of several contemporary economic problems, with emphasis on problems of post-war world. Prerequisite: Course 1.

14. **Economic and Financial History of the United States.** Autumn, Spring. M. W. F., 11:00. Three credit hours. Miller.

Economic development of the United States from colonial times to the present, with emphasis upon economic integration and industrial organization since the Civil War.

Upper Division Courses

51. **Economics of Consumption.** Spring. M. W. F., 9:00. Three credit hours. (See Marketing 51.) (Not given this year.)

A study of those forces underlying and governing con-

sumption. Prerequisites: Economics 1 and 2.

53. Money and Banking. Spring. M. T. W. Th., 10:00. Four credit hours. Clark. (See Finance and Banking 53.)

55. Principles of Risk Bearing. Autumn. Daily. 8:00. Three credit hours. (See Accounting and Business Administration 55.) Boyle.

Life, health, accident, fire, property and liability insurance, and principles of risk-bearing as they apply to each classification of the insurance field. Prerequisites: Economics 1 and 2.

56. Transportation Problems. Spring. M. T. W. Th., 8:00. Four credit hours. Miller. (Not given this year.)

This course deals with the growth and development of railway transportation, problems of rate determination, and the development of public regulation and railway legislation in the United States.

61. Labor Problems. Autumn. M. W. F., 10:00. Three credit hours. Miller.

This course deals with the wage system, domestic industry, the factory system, the rise and growth of labor organizations.

67. Public Finance and Taxation. Winter. M. T. W. Th., 11:00. Four credit hours. Miller. (See Finance and Banking 67.)

70. Business Economics. Spring. M. T. W. Th., 8:00. Four credit hours. (Not given this year.)

Application of economic principles to practical problems of individual business. Prerequisites: Economics 1 and 2.

74. Principles of Statistics. Winter. M. W. F., 2:00. Three credit hours. Lambert.

Measures of central tendency, dispersion, and simple correlation. For students in education, psychology, biology, business, economics, and social sciences. Assumes reasonable competency in algebra. Any training in mathematics, including differential calculus, will be an advantage to the student.

75. Business and Economic Statistics. Spring. M. W. F., 9:00. Three credit hours each quarter. Hoyt.

Fundamental methods of statistics in business and eco-

conomic applications. Estimating future business; economic forecasting; fluctuations of business.

- 76. Social Control of Business.** Winter. M. W. F., 11:00. Three credit hours. Miller.

General survey of governmental activities affecting business. The course aims to develop an understanding of the economic basis for government regulations, and the probable limits and difficulties inherent in our existing economic system in extending such regulation. Prerequisites: Economics 1 and 2.

- 78. International Economic Policies.** Winter. M. W. F., 2:00. Three credit hours. Miller.

A survey with particular reference to the United States, of the international aspects of the economic policies and activities of governments.

- 94. Advanced Economics.** Spring. Daily, 8:00. Five credit hours. Staff.

Advanced course in economic theory with stress upon production principles and price theory. Prerequisites: Economics 1 and 2.

- 99. History of Economic Thought.** Spring. Daily, 9:00. Five credit hours. Staff.

The development of economic thought from early times to the present. A brief survey up to about 1750, but chief emphasis will be given to Smith, Ricardo, Malthus, and Mill.

Graduate Courses

- 153. Money and Banking.** Spring. M. T. W. Th., 10:00. Four credit hours. (See Finance and Banking 153.) Clark.

- 156. Transportation Problems.** Spring. M. T. W. Th., 1:00. Four credit hours. (Not given this year.)

- 161. Labor Problems.** Autumn. M. W. F., 10:00. Three credit hours. Miller.

- 167. Public Finance.** Winter. M. T. W. Th., 11:00. Four credit hours. Miller. (See Finance and Banking 167.)

- 178. International Economic Problems and Policies.** Winter. M. W. F., 2:00. Three credit hours. Miller.

194. **Advanced Economics.** Autumn. Daily, 8:00. Five credit hours.

Advanced course in economic theory with application to present day economic problems. Prerequisites: Economics 1 and 2.

197. **Research.** Time and credit to be arranged. Staff.

199. **History of Economic Thought.** Spring. Daily, 9:00. Five credit hours. Miller.

200. **Thesis.**

Finance and Banking

*Professors H. R. Clark, Miller, Lambert;
Associate Professor Pond.*

Students majoring in Finance and Banking are required to take Accounting and Business Administration 35, 50, and 74 or 75.

Lower Division Course

14. **Economic and Financial History of the United States.** Autumn and Spring. M. W. F., 2:00. Three credit hours. Miller.

The economic development of the United States through the colonial era and the period of the industrial revolution and westward movement, with emphasis upon economic integration and industrial organization.

Upper Division Courses

- 51, 52. **Business Finance.** Autumn, Winter. M. T. W. Th., 10:00. Four credit hours each quarter. Clark.

Financial problems connected with the organization of corporations, underwriting and the sale of securities, management, expansion, and the reorganization of those that are not successful. Prerequisites: Economics 1 and 2.

53. **Money and Banking.** Spring. M. T. W. Th., 11:00. Four credit hours. Clark. (Not given this year.)

A study of the principles of money and banking and the exemplifications of these principles in the monetary and banking history of the United States. Prerequisites: Economics 1 and 2.

54. **Investments.** Spring. M. T. W. Th., 10:00. Four credit hours. Clark.

A study of the various forms and methods of investment. Prerequisite: Finance and Banking 51.

57. **Commercial Law.** Autumn. M. T. W. Th., 2:00. Four credit hours. Brown. (See Political Science 57.)

53. **Money and Banking.** Spring. M. T. W. Th., 10:00. Four credit hours. Brown. (See Political Science 58.)

59. **Commercial Law.** Spring. M. T. W. Th., 2:00. Four credit hours. Brown. (See Political Science 59.)

67. **Public Finance and Taxation.** Spring. M. T. W. Th., 11:00. Four credit hours. Pond. (See Economics 67.)

The science of public finance; the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration.

Graduate Courses

101. **Research in Business Finance.** Winter, Spring. Two to five credit hours. Clark.

111. **Public School Finance.** Winter. Daily, 8:00. Five credit hours. Lambert. (See Education 111.)

The theory and practice of financing public education in the United States. The stress is placed upon revenue and distribution systems. A course in taxation should precede or parallel this course.

- 151, 152. **Business Finance.** Autumn, Winter. M. T. W. Th., 10:00. Four credit hours each quarter. Clark. (See Finance and Banking 51, 52.)

153. **Money and Banking.** Spring. M. T. W. Th., 10:00. Four credit hours. Clark. (Not given this year.)

A study of the principles of money and banking and the exemplifications of these principles in the monetary

and banking history of the United States. (See Finance and Banking 53.)

154. **Investments.** Spring. M. T. W. Th., 10:00. Four credit hours. Clark.

A study of the various forms and methods of investments. Prerequisite: Finance and Banking 51.

167. **Public Finance.** Spring. M. T. W. T., 11:00. Four credit hours. Pond. (See Economics 167.)

Marketing

Professors Hoyt, Jensen, Boyle; Associate Professor Pond;

Assistant Professors Taylor, Birrell.

Students majoring in this department are required to take Economics 1, and Accounting 50, 74 or 75. It is recommended that majors take Art 14 and 15, Psychology 65, and Economics 94.

Marketing is one of the subjects comprising the composite major in **Business** designed for prospective teachers and described in the section entitled "Colleges" in the introduction to the catalogue.

Lower Division Courses

- 14, 15, 16. **Commercial Art.** Autumn, Winter, and Spring. T. Th., 1:00. One or two credit hours each quarter. Jensen. (See Art 14, 15, 16.)

- 15a. **Textiles.** Winter or Spring. M. W. F., 10:00. Three credit hours. Staff. (See Clothing and Textiles 15.)

23. **Geography of Economic Products.** Spring. Daily, 8:00. Five credit hours. Coffman. (See Geography 23.)

32. **Marketing Fruits and Vegetables.** Spring. M. W. F., 11:00. Three credit hours.

Upper Division Courses

51. **Economics of Consumption.** Spring. M. W. F., 9:00. Three credit hours.

This class deals with the consumption problem as it affects the economic organism as a unit. Standards of measurement in the field of consumption are discussed. The consumer's viewpoint is taken with the object of studying proposed solutions for his individual consumption problems.

54. **Credits and Collections.** Autumn. M. W. F., 9:00. Three credit hours. Hoyt. (See Accounting and Business Administration 54.)

57. **Principles of Marketing.** Autumn. M. W. F., 2:00. Three credit hours. Hoyt. Prerequisites: Economics 1, 2.

58. **Principles of Merchandising.** Autumn. Daily, 8:00. Five credit hours.

This course deals with the operation of the retail store, treating specifically store organizations, lay-out, principles of salesmanship, and customer services. It is designed to meet the requirements of men and women who seek to familiarize themselves with the procedures necessary to make a quick adjustment into the working routine of the retail store. It also precedes logically further study in the field of retailing.

59. **Advertising.** Spring. Daily, 8:00. Five credit hours.

The part advertising plays in business. Principles of advertising, including layout, media, campaigns, etc., Psychology 12 recommended.

61. **Problems in Retail Store Control.** Spring. Daily, 8:00. Five credit hours.

This course deals with merchandising problems as they confront the management of the retail store. Principles of mark-up, inventory methods, stock control, and merchandising plans are discussed in connection with actual case problems. Field trips are planned where working control systems are given critical examination. Prerequisite: Accounting 1.

62. **Business and Industrial Management.** Winter. M. W. F., 10:00. Three credit hours. (See Accounting and Business Administration 62.)

63. Personnel Management. Spring. M. W. F., 10:00. Three credit hours.

65. Sales Management. Four credit hours. (Not given this year.)

A study of methods of selecting and training and paying salesmen. The technique of making market surveys and fitting a sales organization to the needs of the market most efficiently. Also a study of the principles of salesmanship.

66. Textiles. Winter. T. Th., 2:00. Two credit hours. (See Clothing and Textiles 62.) Prerequisite: Clothing and Textiles 15.) Staff.

67. Agricultural Marketing. Winter. M. W. F., 2:00. Three credit hours. Hoyt.

An analysis of the problems of cooperative marketing of agricultural products, from the standpoints respectively of farmers, middlemen, and consumers. Prerequisites: Economics 1, 2.

70. Business Economics. Four credit hours. (Not given this year.)

Application of economic principles to practical problems of individual businesses. (See Economics 70.) Prerequisites: Economics 1 and 2.

71. Advanced Design. Autumn. T. Th., 1:00. Two credit hours. Birrell.

Special relationships stressed as applicable to commercial, industrial, and modern design.

85. Seminar in Marketing and Merchandising. Spring. M. W. F., 3:00. Three credit hours. (Open only to students who have had Marketing 58 and Accounting 74.)

A seminar in current problems in marketing. Students are required to develop at least one major study of a marketing problem.

Graduate Courses

151. Research in Economics of Consumption.

157. Research in Marketing. Autumn. M. W. F., 8:00. Three credit hours. Hoyt.

- 158, 159, 161. **Research in Merchandising and Advertising.** Winter, Spring. Daily, 8:00. Five credit hours.
163. **Research in Sales Management.** Spring. M. T. W. Th., 8:00.
167. **Research in Agricultural Marketing.** Winter. M. W. F., 8:00. Three credit hours. Hoyt.
185. **Seminar in Marketing and Merchandising.** Spring. M. W. F., 2:00. Three credit hours.
200. **Thesis.**

Secretarial Practice

Professors C. S. Boyle, Hoyt; Assistant Professors Taylor, Croft, Peterson; Mr. Crandall, Miss Spencer, Miss Sanders, Mrs. Taylor.

Students majoring in this department are required to complete Economics 1, 51; Acct. and Bus. Admin. 2, 50; Finance and Banking 57; Secretarial Practice 51, 54, 55, 58, 63, and 78. Recommended: Acct. and Bus. Admin. 65, 74 or 75; Marketing 59.

Secretarial Practice is one of the subjects comprising the composite major in **Business** designed for prospective teachers.

11. **Elementary Shorthand.** Autumn, Winter. Daily, 8:00-1:00. Four credit hours. Staff.

An introduction and drill on theory of Gregg Shorthand. Students with previous training not permitted to take this course for credit.

12. **Elementary Shorthand.** Autumn, Winter, Spring. Daily, 8:00. Four credit hours. Staff.

A completion of the theory of Gregg Shorthand. Prerequisite: Secretarial Practice 11, or equivalent.

13. **Elementary Shorthand Dictation.** Winter, Spring. Daily, 8:00. Four credit hours. Staff.

Application of theory in dictation. Prerequisite: Secretarial Practice 12, or equivalent.

14. **Shorthand Theory Review and Speed Building.** Autumn, Spring. Daily, 9:00, 1:00. Three credit hours. Staff.

Complete review of Gregg Shorthand theory with speed building practice intended to bring all students above the 80-words-a-minute level. Prerequisite: Secretarial Practice 13, or equivalent.

15. **Shorthand Speed Building and Transcription.** Autumn, Winter. Daily, 9:00. Three credit hours. Staff.

Speed building practice to 100 words a minute. Introduction of transcription. This course is for students who have had two years of high school training. Prerequisite: Secretarial Practice 14, or equivalent.

21. **Elementary Typewriting.** Autumn, Winter, Spring. Daily, 8:00, 1:00. Two credit hours. Croft.

Direct and Natural Typewriting. Students with previous training not permitted to take this course for credit.

22. **Elementary Typewriting.** Autumn, Winter, Spring. Daily, 8:00, 1:00, 3:00. Two credit hours. Croft.

This course develops typing skill and provides practice in application for personal use. Prerequisite: Secretarial Practice 21, or equivalent. (Students with more than one-half unit of high school credit not permitted to take this course for credit.)

23. **Typewriting Speed Building.** Autumn, Winter, Spring. Daily, 8:00, 1:00, 3:00. Two credit hours. Croft.

This course provides practice in speed and accuracy. Prerequisite: Secretarial Practice 22, or equivalent. (Students with more than one unit of high school credit not permitted to take this course for credit.)

26. **Office Machines.** Autumn, Winter, Spring. 10:00, 11:00, 2:00. One credit hour. Croft.

This course comprises training in the operation of Burroughs, Comptometer, and Monroe calculators, also instructions on the Burroughs bookkeeping machine. It includes addition, subtraction, multiplication, and division. Practical problems are used in the practice work of the class. Prerequisite: Accounting and Business Administration 1.

- 31. Business English.** Autumn, Winter. M. W. F., 2:00 Three credit hours. Mrs. Taylor.

A review of sentence structure, punctuation, spelling and business vocabulary. A study of and practice in writing business letters, in using business forms, and in writing business reports. (This course gives alternate credit in English 4.) Prerequisite: Freshman English.

Upper Division Courses

- 51. Advanced Shorthand Transcription and Speed Building.** Winter, Spring. Daily, 9:00. Three credit hours. Staff.

An intensive transcription practice. Advanced principles and phrases with speed building to 120 words a minute. Prerequisite: Secretarial Practice 15, or equivalent.

- 52. Advanced Shorthand Speed Building and Reporting.** Autumn, Spring. Daily, 2:00. Four credit hours. Peterson.

Specialized vocation vocabularies and reporting shortcuts. Speed building above 120 words a minute. Prerequisites: Secretarial Practice 51, or equivalent.

- 54. Office Techniques.** Autumn, Winter, Spring. Daily, 9:00. Two credit hours. Croft.

Training in office typing techniques for those who desire to enter the business field. Prerequisite: Secretarial Practice 23, or equivalent.

- 55. Secretarial Training.** Winter Spring. M. W. F., 10:00-12:00. Four credit hours. Mrs. Taylor.

A finishing course for those who desire to qualify for stenographic and secretarial positions. It includes discussion of office personality problems; practice in letter writing; preparation of legal instruments, commercial forms, and telegrams; telephone procedure; and filing. Prerequisite: Secretarial Practice 16 and 24, or equivalent.

- 58. Principles of Merchandising.** Autumn. Daily. Five credit hours. Taylor. (See Marketing 58.)

- 60. Office Organization and Management.** Spring. M. W. F. Three credit hours. Hoyt. (See Accounting and Business Administration 60.)

- 63. Personnel Administration.** Winter. Three credit hours. Hoyt. (See Accounting and Business Administration 63.)

- 78. Fundamentals of Business Education.** Spring. 11:00. Three credit hours. Boyle.

A course designed to lay the foundations for an understanding of the fundamentals of business education. Designed especially for all students who intend to teach any commercial subject.

- 98. Methods of Teaching Typewriting and Shorthand.** Winter. M. W. F., 11:00. Three credit hours. Croft and Peterson.

A study of methods of teaching typewriting, theory of presentation, measurements, and approaches. This study is based upon speed versus accuracy first, then theories of automatization. Also Gregg shorthand with emphasis on the functional and direct methods. Consideration will be given to presentation of principles, details of theory, mechanics of dictation, tests, grades, devices for motivation, and speed-building.

College of Education

Reuben D. Law, Dean

The College of Education has as its principal function the educating of teachers, principals, supervisors, and superintendents. It offers courses leading to the degrees of Bachelor of Arts and Bachelor of Science and also to the advanced degrees in the professional fields of education. Its offerings meet the requirements of the Utah State Board of Education for elementary and secondary teacher certification and for certificates in administration and supervision. Work leading to such certificates in other states may also be taken at Brigham Young University.

Students contemplating entering the teaching profession are advised to register in the College of Education for guidance, as soon as their decision is reached, and for professional association with other prospective and experienced teachers. Elementary teachers are expected to major in Elementary

Education accompanied by broad academic preparation in many fields needed in the modern elementary school.

The following departments are at present organized in the College of Education: Educational Administration, Elementary Education, Philosophy of Education and Guidance, Secondary Education, and Health, Physical Education and Recreation.

In connection with the departments of Elementary Education and Secondary Education modern elementary and secondary schools (kindergarten to twelfth grade) are provided as laboratories wherein teachers may secure experience in teaching under helpful guidance and supervision.

All students who expect to take student teaching are required to make formal written application on blanks provided by the teacher education divisions of the College of Education at least three months prior to the date of beginning student teaching, and preferably not later than the end of the second quarter of the junior year. Before applicants are permitted to begin student teaching their applications in the case of secondary teachers must be approved by a committee in the Department of Secondary Education and by the head of the respective major subject matter department; and applications for elementary student teaching must meet the approval of a committee in the Department of Elementary Education with the head of that department serving as chairman.

The certificates for which students may prepare are listed below:

Teacher's Certificate for Elementary Schools.

Librarian's Certificate for Elementary Schools.

Teacher's Certificate for Secondary Schools.

Librarian's Certificate for Secondary Schools.

Counselor's Certificate.

Administrative-Supervisory Certificate for Elementary Schools.

Administrative-Supervisory Certificate for Secondary Schools.

Administrative Certificate for Superintendents.

The requirements in terms of the program at B. Y. U. for elementary and secondary certificates for teachers are

given below in some detail. For further clarification of these requirements and for guidance in qualifying for the librarian's certificate, the counselor's certificate, and for administrative and supervisory certificates, students should consult with the dean and the department heads.

REQUIREMENTS FOR TEACHER'S CERTIFICATE FOR ELEMENTARY SCHOOLS WITH A RECOMMENDATION FROM BRIGHAM YOUNG UNIVERSITY

I. General Preparation:

- A. Twelve quarter hours in **each** of the following fields: social science, physical science, and biological science. Students should select courses which will be of greatest value in providing a rich background for versatility in elementary school work.
- B. Eighteen hours in English including children's literature. Students with foreign language credit may count six hours of language credit as part of this group.
- C. Three hours of activity type physical education. See also professional requirement of physical education for elementary teachers.
- D. Six quarter hours in the field of music and fine and/or practical arts.

II. Professional Preparation: A major of forty-five quarter hours of professional education to include not less than thirty hours in elementary education. This work shall be taken in the following areas and in the following minimum amounts:

- A. Nine quarter hours in an adequate understanding of children, of the nature of the physical, intellectual, and emotional development of children before and through the years of schooling (physical and psychological foundations).
 - 1. Child Growth and Development3 hrs.
 - 2. Health Education3 hrs.
 - 3. Educational Psychology3 hrs.
- B. Six quarter hours in understanding the school and its relation to the community and public school organization and administration, with emphasis on Utah public schools and Utah school law.

1. Social Foundations of Education or Philosophy of Education3 hrs.
2. School Administration and Utah School Law 3 hrs.

C. Twelve quarter hours in elementary school curriculum and methods including public school art, public school music, and physical education for elementary schools.

D. Twelve quarter hours in elementary school student teaching.

III. Academic Preparation: Elementary teachers are advised to develop a broad background of scholarship in the many fields related to the elementary school as a means of being prepared to meet the demands for versatile teachers to serve in modern, non-departmentalized elementary schools. As a means of giving some focus to this broader preparation, students are encouraged to develop a group of thirty hours in one related area and eighteen hours in another area of school work. These two groups may include the requirements for a degree minor and the general preparation requirements listed under No. I above.

PREPARATION FOR TEACHER'S CERTIFICATE FOR SECONDARY SCHOOLS AT B. Y. U.

I. General Preparation: (Minimum of 57 hours as per general University requirements).

A. Twelve quarter hours in each of the following fields: social science, physical science, and biological science. The College of Education recommends that three hours of general psychology or practical psychology be included in the biological science group.

B. Eighteen hours in English. Students with foreign languages may substitute six hours in the English group.

C. Three quarter hours of physical education.

D. Courses in art, music, and speech are also recommended.

II. Professional Preparation (minimum 33 hours):

A. Psychological and Physical Foundations:

1. School Health3 hrs.
2. Educational Psychology3 hrs.

3. Either Growth and Development and Guidance or Adolescent Psychology3 hrs.

B. Social and Legal Foundations:

1. Social foundations of Education or Philosophy of Education3 hrs.
2. School Administration and Utah School Law 3 hrs.

C. Student Teaching, Curriculum and Methods:

1. Secondary School Curriculum and Methods 5 hrs.
2. Student Teaching with Related Special Methods and Curriculum 10 hrs.

III. Special Academic Preparation (minimum 60 hours):

A. Composite Majors:

Experience has shown that teachers on the secondary level are more qualified to serve the needs of the average high school when they are students of several related subjects rather than when they are trained in a single subject. (Recommended by State Department of Education).

It is recommended that as early as the beginning of the sophomore year prospective teachers select one of the groups of related subjects listed below as their chosen field of instruction.

The composite major takes the place of the traditional major and minor. It must consist of not less than sixty hours of credit distributed in two or more related fields (preferably three) with not less than eighteen hours in any one subject.

For guidance in selecting and completing a composite major, students may consult with the Dean of the College of Education and with the chairman of the Department of Secondary Education whose responsibility it is, under cooperative advisement with the academic departments, to administer the composite majors which cut across two or more departments. Secondary teachers may use the approved composite teaching majors of sixty or more hours as degree majors in the College of Education along with the professional major indicated above.

COMPOSITE MAJOR IN BIOLOGICAL SCIENCE

1.—Botany	
Botany 1, 2, 3, 60.....	19 hours
2.—Zoology and Bacteriology	
Zoology 11, 18 or 97, 30, 45, 77.....	18 hours
Bacteriology 21, 22	5 hours
	<hr/> 23 hours
3.—Geography and Geology	
Geology 11, 12	10 hours
Geography 21, 23	8 hours
	<hr/> 18 hours

COMPOSITE MAJOR IN BUSINESS

1.—Accounting	
Accounting 1, 2, 50, 65	17 hours
(Recommended, Accounting 51 and 74, 75).	
4.—Economics and Marketing	
Economics 1, 2, 51, 76	16 hours
Marketing 58	5 hours
(Recommended: Political Science 57.)	
	<hr/> 21 hours
3.—Secretarial Practice	
Shorthand 14, 15, 51	9 hours
Secretarial Training 55	4 hours
Tyewriting 23, 54	4 hours
Office Machines 26	1 hour
Business Education 78	3 hours
Business English 31	3 hours
(Recommended: Shorthand 52 and Bus. Ed. 98.)	
	<hr/> 24 hours

COMPOSITE MAJOR IN LANGUAGE ARTS

1.—English	
English 11, 15 & 16, 20, 21 & 22, 82, 97, 98	25 hours
English 83, 84, 85, 86, 87 (Choose One)	3 hours
2.—Speech	
Speech 1 & 2, 4, 11 & 12, 21, 51 & 52, 72, 95.....	28 hours
Recommended: Speech 73.	
3.—Journalism	
Journalism 1, 21, 23, 97	10 hours

COMPOSITE MAJOR IN MATHEMATICS AND THE PHYSICAL SCIENCES

The composite major in the Physical Sciences may be made up by doing work in three of the four departments listed below. A total of not less than 60 credit hours is required in the three chosen departments and not less than eighteen credit hours in any one department. Where more than eighteen credit hours are listed in a given department, a selection of courses is permitted.

1.—Chemistry	
Chemistry 4, 5, 6, 10 & 11, 22 & 57	21 hours
2.—Geology and Geography	
Geology 11, 12, 51, 52	20 hours
Geography 20, 21, 23, 60 61	17 hours
	<hr/> 37 hours
3.—Mathematics	
Mathematics 11, 12, 13, 50, 51	21 hours
4.—Physics	
Physics 26, 41, 42, 43	19 hours

COMPOSITE MAJOR IN SOCIAL SCIENCE

1.—History	
History 10, 11, 12, 95, 96, 97.....	24 hours
(Recommended: History 82).	
2.—Sociology	
Sociology 11	5 hours
Sociology 53 57, 66, 72, 79, 80, 93	11 hours
	<hr/> 16 hours
(Eleven hours to be selected from these)	
OR	
Sociology 12	5 hours
Sociology 51, 70, 74, 75, 79, 80, 82	11 hours
	<hr/> 16 hours
(Sociology 79 or 80 are recommended in either selection 1 or 2).	
3.—Economics	
Economics 1	5 hours
Economics 2 or 14	2 or 3 hours
(Balance of credit making a total of TWELVE HOURS to be taken from Economics 94 99, and 67).	
4.—Political Science	
(Recommended: Political Science 67, 3 hours).	

It is expected that additional composite majors will be worked out at a later date.

B. Teaching Major and Minor:

Students who do not elect a composite major may select a teaching major and a teaching minor in any academic department. The teaching major shall consist of thirty-six to forty-five quarter hours of a subject taught in Utah high schools and approved by the College of Education. At least half of the academic major shall be upper division work. The teaching minor shall consist of not less than twenty-four quarter hours in a subject taught in the secondary schools of Utah, one-third of which must be upper division work.

DEPARTMENTS OF INSTRUCTION

Reuben D. Law, Dean

Professors Lambert, H. Peterson, Lloyd, Law, Woolf, Snell, Hart, Holbrook, R. B. Swenson, E. M. Jenson, H. G. Clark, Professors Emeritus A. N. Merrill, W. H. Boyle, Associate Professors Sudweeks, Bryner, Allen; Assistant Professors W. F. Hanson, Maeser, Hammond, A. J. Clarke, Birrell, Alder, Romney, Mr. C. L. Jensen, Mrs. Fisher, Mr. Lee, Mr. Tuttle, Mrs. Strong, Mr. Clinger, Mr. Crowton, Mrs. Hart, Mr. Booth, Mrs. Caine, Mrs. A. C. Smith, Mr. Miller, Mr. McAllister, Mrs. Bauer, Mr. Christensen, Mrs. Woodland, Mr. Lewis, Dr. Nicholes, Mrs. Brown.

(See also staff in Health, Physical Education and Recreation)

With the approval of the major professor, credit in courses

in any of the education departments may be offered to fill major requirements.

General Education

Professor Law, Chairman

- 51. Social Foundations of Education.** Autumn, Winter, Spring. M. W. F. Three credit hours. Lloyd, Lambert, H. G. Clark.

This course is designed to acquaint the student with the place of education and the school in society. Consideration is given to the historical development of the school in American life and its fundamental nature in a democratic philosophy of education.

- 52. First Course in Statistical Methods.** Winter, M. W. F., 2:00. Three credit hours. Lambert.

Measures of central tendency, dispersion, and simple correlation. For students in education, psychology, biology, business, economics, and social sciences.

- 53. First Course in General School Organization and Administration.** Autumn, Winter, or Spring. M. W. F., Sec. 1, 9:00. Sec. 2, Autumn, 10:00. Three credit hours. Lambert, Law.

Considers the general way in which state and local school units are organized to conduct public education. Considers functions and powers of state departments, local school boards, and administrative officers. Stresses the way in which teachers adjust to the administrative system, and shows how teachers are affected by contracts, salaries, ratings, leaves, transfers, promotions, etc. Shows the opportunities for teachers to contribute to good school administration. Required of all elementary and secondary school teachers. Meets Utah state requirements for a course in school organization. (Ed. Adm. 93 also meets this requirement.)

- 57. Materials and Methods in Safety Education.** Autumn, Winter, Spring. T. Th. Two credit hours. Hart.
(See Health 57.)

- 58. Health Education for Teachers.** Autumn, Winter, Spring. M. W. F., 1:00. Three credit hours.

Designed especially for those who are preparing to teach in the public schools.

- 63. Educational Psychology.** Autumn, Winter, or Spring. M. W. F., 2:00. Three credit hours. Woolf.

A brief consideration of certain important phases of the psychology of Education. The laws of economical learning, individual differences, and psychology of school subject.

- 64. Educational Tests and Measurements.** Autumn, Spring. M. W. F., 11:00. Three credit hours. Law.

A study of objective and standardized testing. Students in this course will undertake an actual program of testing, scoring, tabulating, interpreting results, and planning remedial instruction with the use of Training Schools as a laboratory.

- 71. Education Through Play Activities.** Winter. M. W. F., 11:00. Three credit hours. Holbrook.

The theory of play considered biologically, historically and currently, in the educational processes.

- 75. Visual Education.** Winter. T. Th., Two credit hours.

An introductory course familiarizing the student with the general type of visual aids, and including a study of general principles, projection equipment and new developments in visual aids.

Educational Administration

Professor Lambert, Chairman

- 52. First Course in Statistical Methods.** Winter. M. W. F., 2:00. Three credit hours. Lambert.

Measures of central tendency, dispersion, and simple correlation. For students in education, psychology, biology, business, economics, and social science. Assumes reasonable competency in algebra; any training in analytical geometry and differential calculus will be a distinct advantage to the student.

- 53. First Course in General School Organization and Administration.** Autumn, Winter, Spring. M. W. F., Three credit hours. Lambert, Law.

The general system for administering public education. Powers of legislatures, state boards of education, local school boards, and administrative officers. How the teacher contacts the administrative system and adjusts to it. Problems of contract, salary, promotion, retirement. The school law meets Utah certificate requirements. (Educational Administration 93 also meets this state requirement.)

- 64. Achievement Testing.** Autumn or Spring. M. W. F., Three credit hours.

For high school and elementary school teachers, satisfying state requirements. Considers standard tests, old-type tests and new-type tests. Training in giving tests, scoring, tabulating and interpreting results, and in planning remedial measures.

- 85. Educational Supervision.** Spring. Three credit hours.

The evaluation and the improvement of teaching. For students who have foundational work in psychology, educational psychology, school organization, and classroom

theory and procedures. Assumes training in curriculum organization.

87. **Old and New Type Examinations.** Winter. M. W. F., 9:00. Three credit hours.

The essay type examination, its improvement and its uses. The new-type examination with its forms, uses and reliability.

88. **Administration of Student Personnel Service.** Autumn. M. W. F., 9:00. Three credit hours.

Attention is given to the administrative organization of Personnel Service. A consideration of diagnostic and remedial techniques with students. The course includes a study of student health service, employment, curricular and extra-curricular activities, technique of interviewing, and student records.

93. **The Organization and Administration of Public Schools.** Autumn. Four credit hours. Lambert

Ways in which public schools are controlled and ways in which states, counties, cities and local districts are organized for conduct of public education. The foundation course for majors in administration. Elective for advanced students in other departments of education. (Meets Utah certificate requirements.)

96. **The Work of the School Principal.** Spring. M. W. F., 9:00. Three credit hours. Lambert.

Administering a single school. Grade organization, schedules, staff selection and placement, rating, reports, supply administration, pupil guidance, and public relations. For men and women preparing for administrative opportunities.

Elementary Education

Professor Law, Chairman

A major in Elementary Education (45 quarter hours) should include Education 51 or Philosophy of Education 93, Education 53, 58, 63,, Elementary Education 60, 65, 81, 82, 84, 90. Either Elementary Education 92 or 64 as a recommended elective

should also be included if possible. Other electives for the major may be selected from the various departments in Education and Psychology.

Major students in Elementary Education should, with the approval of the major professor, select a minor which is applicable to elementary school teaching.

Supporting fields must include four hours in Children's Literature, four hours in games and rhythms for elementary school children (Physical Education 59 and 60), and Library 63. A course in piano music for teachers is highly recommended for those who do not already play the piano. Instrumental Music 41 provides group instruction for beginners on the piano, and is intended to help meet demands for elementary school teachers who play the piano. The remaining work in supporting fields is to be selected with the approval of the head of the department of Elementary Education, selection to be made with a view to strengthening and broadening the academic and cultural background needed by the teacher in the elementary school. Elementary teachers need broad understanding regarding children and great versatility in many subject matter fields to a much greater extent than they need extensive academic specialization in a single subject. However, the desired courses should be selected so as to provide at least thirty hours in a given area of interest, such for example, as language arts or science or social science or some other area included in the elementary school, and also eighteen hours in another elementary school area. The degree minor serves as one of these areas.

The group requirements for the degree of Bachelor of Science or Bachelor of Arts are listed elsewhere in the catalogue. In filling these group requirements, the student should be guided by the following: The Biological Science group should include a course in either Bacteriology, Botany, or Zoology, and a course in Nature Study for Elementary Teachers (Botany 5 or Zoology 77.) The Physical Science group should include a course in Earth Science and other courses needed to enlarge the teachers' background in science. The Social Science group should include courses in Sociology, Economics, Political Science and History. Western History is especially recommended. The freshman and sophomore years should be devoted largely to building up a broad and rich academic background, leaving the professional work in Education for the junior and senior years, with the possible exception of Elementary Education 60 and Education 51 which may be taken during the Sophomore year.

- 56. Industrial Arts and Crafts for Elementary Teachers.** Autumn, Spring. Wednesday. 3:00 to 5:00. Two credit hours. Alder.

A practical course in handicrafts. Students will participate in simple pottery-making, book-making, spinning, weaving, dyeing, and other craft processes that can be carried on by children in the elementary school. (There will be a small fee for materials.)

- 59. Arts and Crafts for Early Childhood.** Winter. Wednesday. 3:00 to 5:00. Two credit hours. Alder.

A practical course in handicrafts for teachers in kindergarten and first grade. (There will be a small fee for materials.)

- 60. Child Growth and Development for Elementary Teachers.** Autumn, Winter, Spring. M.W.F., 10:00. Laboratory work to be arranged. Three credit hours. Peterson and staff.

The classwork and study in the field of child development will be based upon observation of child behavior. This course meets a state requirement for elementary certification and may be taken by sophomores, juniors, or seniors, preceding the courses in curriculum and methods.

- 64. Educational Tests and Measurements.** --Autumn, Spring. M. W. F., 9:00. Three credit hours. Law.

A study of objective and standardized testing. Students in this course will undertake an actual program of testing, scoring, tabulating, interpreting results, and planning improvements with the use of the Training School as a laboratory.

- 65. 66, 67. Art for Elementary School Teachers.** Autumn, Winter, Spring. M. W. F., 3:00. Three credit hours. Jensen and Fisher.

Materials and procedures for stimulating and guiding child development in the various phases of art in the elementary school. Attention will be given to the relationship of art to the entire school program. (See Art 41.)

- 68. Juvenile Literature.** Autumn, Spring. T. Th., 8:00. Two credit hours. Hammond.

A study from the literary and educational points of view of the best literature available for children.

69. **Juvenile Literature.** Winter, T. Th., 8:00. Two credit hours. Hammond.

A study of literature to give a basis of selection, appreciation and presentation of the best and most suitable material for the elementary school.

81. **Elementary Curriculum and Methods.** Autumn. Daily. 9:00. Five credit hours. Peterson and Law.

This course deals with the curriculum and the materials of the elementary school together with methods in elementary education. It must be taken before or parallel with Elementary Education 84. Required for certification. Prerequisite: Fifteen hours of selected work in education.

82. **Elementary Curriculum and Methods.** Winter. Daily, 9:00. Five credit hours. Peterson and Law.

This is a continuation of Elementary Education 81. It should be taken parallel with Elementary Education 84. Required for certification. Prerequisite: Elementary Education 81.

83. **Elementary Curriculum and Methods.** Spring. M. W. F., 10:00. Three credit hours. Peterson and Law. Limited to seniors only.

This course is designed especially for secondary teachers who wish to get some training on the elementary school level. Secondary teachers who qualify also for elementary teaching certificates are required to complete this course. Prerequisites: fifteen hours in education.

84. **Elementary and Kindergarten Student Teaching.** Autumn, Winter and Spring. Daily, 10:00-12:00, or 1:00 to 3:30. Twelve credit hours. Six hours each quarter. Law, Peterson, and Staff.

This is essentially a laboratory course affording opportunity for student teachers to apply the principles of teaching developed in Elementary Education 81 and 82. Teachers should reserve the 4:00 o'clock hour on Tuesdays and Thursdays for supervisory meetings. Prerequisites: fifteen hours of selected educational work, including Elementary Education 60, Education 53, and Psychology 63 or 74, and passing of subject matter tests administered by the College of Education. Elementary Education 81 and 82 should precede or parallel this course.

Application for elementary practice teaching must be made to the head of this department at least three months prior to registering for this course. Registration is con-

tingent upon the granting of the application by a committee in the department which has been appointed for the purpose. The facilities of the training school are limited. Only those regularly enrolled in the College of Education may be admitted to elementary student teaching.

90. **Music for Elementary School Teachers.** Autumn, Winter, Spring. M. W. F., 8:00. Three credit hours. McAllister.

Materials and procedures for stimulating and guiding child development in the various phases of music in the elementary school. Attention will be given to the relationship of music to the rest of the school program. Prerequisite: two credit hours in theory of music. (Theory of Music 1 or 11 or the equivalent.) (See Theory of Music 90.)

92. **Early Childhood Education.** Spring. M. W. F., 10:00. Three credit hours. Peterson.

Problems of early elementary education will be considered. A study of the activities, subject matter and concrete materials which should form the basis of the work with young children. Classroom observation required.

95. **Supervision of Education** Spring. M. W. F., 11:00. Three credit hours. Law.

A study of the problems, procedures, and issues involved in school supervision in the light of recent research, theory, and practices in this field.

Philosophy of Education and Guidance

Professor Lloyd, Chairman

Students who elect to major in this department must present 36 hours of credit approved by the department. Psychology 11, Education 52, and Philosophy of Education 93, or their equivalent, are required of major students.

Upper Division Courses

51. **Social Foundations of Education.** Autumn, Winter, Spring. M. W. F. Three hours credit. Lloyd, Lambert, H. G. Clark.

This course is designed to acquaint the student with the place of education and the school in society. Consideration is given to the historical development of the school in American life and its fundamental nature in a democratic philosophy of education.

69. **Mental Hygiene.** Spring. M. W. F., 10:00. Three credit hours. Poulson. (See Psychology 69.)

70. **Clinical Psychology.** Autumn. M. W. F., 4:00. Three credit hours. (See Psychology 69.)

A consideration of the critical diagnosis and practical management of children with personality and behavior difficulties. Detailed remedial procedures will be emphasized. Prerequisite: Psychology 11, or equivalent.

71. **History of Educational Thought.** Autumn. M. W. F., 2:00. Three credit hours. Romney.

A critical study of the contributions of the outstanding educational thinkers from the early Greeks to the present, and an evaluation of the various philosophies.

72. **History of Education in America.** Winter. M. W. F., 2:00. Three credit hours. Romney. (Not given this year.)

The rise and development of the American educational system as it has been affected by changes in American life from the colonial period to the present.

73. **The History of Social Theory.** (See Sociology 81).

History, theory and use of different kinds of psychological tests and scales. Scientific interpretation and application of test results. Prerequisite: Psychology 11.

- 76. Psychological Tests.** Winter. M. W. F., 4:00. Three credit hours. Allen. (See Psychology 76.)

History, theory and use of different kinds of psychological tests and scales. Scientific interpretation and application of test results. Prerequisite: Psychology 11.

- 77. An Introduction to the Field of Social Work.** Autumn. T. Th., 1:00. Ballif. (See Sociology 76.)

- 80. Fundamentals of Guidance.** Winter. M. W. F., 2:00. Three credit hours. Romney.

A basic course for students seeking comprehensive information in the history, principles and practices of guidance.

- 81. History of Philosophy.** Autumn. M. W. F., 2:00. Three credit hours. R. B. Swenson.

A history of the rise and development of philosophy in the Greek, Graeco-Roman, medieval, renaissance, eighteenth century, and modern periods. Stress is laid upon an appreciation of the outstanding philosophers of the various schools of thought and their relation to the intellectual trends and problems of the present.

- 82, 83. Occupations.** Autumn, Winter. M. W. F., 1:00. Three credit hours each quarter. Staff.

Occupational information for guidance purposes. The course will deal with sources, classifications and methods of imparting occupational information. Local and national occupational opportunities will be considered.

- 87. Character Education.** Autumn. M. W. F., 11:00 Three credit hours. Lloyd. (Not given this year.)

A study of various methods and techniques in character education that are now in use in the United States and an evaluation of the educational philosophy upon which each of these rests. Special attention will be given to recent trends in this field.

- 88. Administration of Student Personnel Service.** Autumn. M. W. F., 9:00. Three credit hours. Lloyd.

Attention is given to the administrative organization of personnel service. The course includes a study of student health service, employment, curricular and extra-curricular activities, cumulative records, and techniques of the interview.

- 89. Seminar in Counseling and Guidance.** Spring. M. W. F., 2:00. Three credit hours. Romney.

A course in which practice in counseling is given with related work in the Counseling Service of the university.

90. **Social Ethics.** Autumn. M. W. F., 9:00 Three credit hours. Lloyd.

A treatment of ethical theory as applied to modern social, industrial, and professional problems. Consideration is given to Puritan ethics; individualism, Christian ethics, international good will and world peace.

91. **Research in Philosophy of Education.** Any quarter. Lloyd.

A maximum of two credit hours for research and reports in the Philosophy of Education. Reading may cover materials in which regular courses are not offered. Registration by consent of the instructor.

92. **Seminar in Philosophy of Education.** Time to be arranged. Two credit hours. Lloyd and Staff.

93. **Philosophy of Education.** Autumn, Spring. M. W. F., 9:00. Winter, M. W. F., 10:00. Three credit hours. Lloyd.

This course is designed primarily to assist senior students in the achievement of a basic philosophy of education, growing out of the integrated experiences of university life. Special attention will be given to the American tradition in education, the qualities of an educated individual, and the role of the college graduate in the modern social order.

Secondary Education

Professor Woolf, Chairman

Students in the department of Secondary Education are required to qualify satisfactorily in their chosen academic fields. It is strongly recommended that a composite teaching major be developed in three related fields with a minimum of 60 quarter hours. For details concerning composite teaching majors refer to the introductory paragraphs of the School of Education. Further information may be secured through consultation with the head of the Department of Secondary Education and the Dean of the College of Education.

Thirty-three hours in Education courses are required for the Teacher's Certificate for Secondary Schools. These should include Education 51 or Philosophy of Education 93; Education 53, 58, 63; Secondary Education 81, 84; Secondary Education 94 or Psychology 68.

Students in this department are urged to fill part of the biological science group, required for graduation, with Psychology 11 and/or Psychology 1.

Upper Division Courses

- 79. Development of Secondary Schools and Current Theories and Practices.** Autumn, Winter, Spring. Time to be arranged. Maximum of three credit hours. Woolf.

Research, independent readings and individual conferences will be planned to permit students to become familiar with important literature in the field of Secondary Education not covered in regular courses. Registration upon consultation with instructor.

- 80. Secondary School Subjects.** Autumn, Winter, or Spring. Maximum, three quarter hours. Woolf, Clark, and B.Y.U. High School Staff.

Independent readings, reports, individual conferences designed to acquaint the student with literature pertaining to improved methods and content in teaching secondary school subjects not covered in regular courses. Registration upon consultation with instructor.

- 81. Secondary Methods and Curriculum.** Autumn, Winter, or Spring. Daily. 10:00. Five quarter hours. Woolf. Educational Psychology should be taken as a prerequisite.

This course is designed as an introduction to student teaching and should be taken therefore before such teaching begins. Emphasis is given to general methods and procedures applicable to teaching in secondary schools. The nature of the secondary curriculum will be presented. Directed observation of secondary schools will be made. Students will be given experience in unit planning in their particular fields.

- 84. Secondary Student Teaching.** Autumn, Winter, or Spring. Demonstration and consultation. T. Th., 3:00. Prerequisites: (1) approximately one-half of the requirements in Education including Educational Psychology 63 and Secondary Education 81 (2) Approval by the head of the field of study forming the major academic interest; (3)

an academic major acceptable to the College of Education; (4) written application one quarter prior to date of beginning practice teaching. Teaching periods to be arranged. Ten credit hours, five hours in each of two quarters. Woolf, Clarke, and Staff.

This is a course in student teaching under supervision. Two quarters of participation and responsible class room teaching will be required. Instruction in special methods for teaching specific subject matter will be given by the critic teachers on Tuesdays and Thursdays of each week at 3:00 in the following subjects: Aeronautics, Art, Biology, Chemistry, English, Foreign Language, Home Economics, Mathematics, Mechanic Arts, Music, Secretarial Practice, Physical Education, Physical Science, Social Science.

- 89. Juvenile Sociology.** Autumn, Winter, or Spring. T. Th., Two credit hours. Boyle.

This course deals with the educational problems of the adolescent, as related to the home, the school, industry, the community, and his own group. (See Sociology 71.)

- 91. The High School Curriculum.** Winter. M. W. F., 11:00. Three credit hours. Merrill.

The principles governing the organization of the high school curriculum. The evaluation of objectives of the course of study, and of the activity phase of the present high school curriculum.

- 94. Growth, Development and Guidance of Youth.** Autumn, Winter, or Spring. 11:00. Three credit hours. Merrill, Romney.

A consideration of the growth and development of youth, and the building therefrom of a functional guidance program in the secondary schools. Actual cases and situations will be studied.

- 96. Articulation of School Units.** Winter. M. W. F. Three credit hours. Merrill.

This course meets the former requirements of the Utah State Board of Education concerning the interpretation and articulation of the various administrative units. It deals with the review of the functions of the various units, the present trends of the curricula and the relation of the work of one unit of administration to the other.

Graduate Work In Education

An adequate knowledge of undergraduate courses in Education is a prerequisite for graduate work in the field of Education. The graduate major professor will determine if a student is sufficiently qualified to undertake graduate study in a specific department in this field.

Credit in Educational Administration 118 (Research and Thesis Writing), or an equivalent course, is required of all candidates for the Master's degree in any department in Education.

A student who plans to complete the requirements for the Master's degree in Education must choose his major work in one of the four departments listed below. He may choose his major professor from among the staff listed for graduate work in the department in which the student is majoring. The major professor and two additional members of the University faculty chosen by him will constitute the student's thesis committee. This committee will have the responsibility of directing the preparation of the thesis.

Students should read carefully the "Requirements for the Master's Degree" as found in the section of the catalogue devoted to the Graduate School.

A student's program of courses should be formulated with the advice of his major professor and must receive the approval of the major professor and the dean of the Graduate School.

Educational Administration

Professor Lambert, Chairman

Courses from other departments can be accepted by arrangement.

101-110. Independent Readings in Organization, Administration and Supervision. Any quarter. Time and credit arranged. Lambert.

An individual study plan by which students may study under direction in areas in which courses are not offered or in fields of interest beyond the courses available. The

plan may be used to complete a program in harmony with the student's needs, to build up backgrounds for more advanced courses, or to complete individual projects related to the student's professional work. Course consists of planning a reading and study program, conferring with the instructor, preparing reports, and demonstrating mastery when the work is completed. Permission to register is granted by the instructor.

- 111. Public School Finance I.** Winter. Daily. Five credit hours. Lambert.

The theory and practice of financing public education in the American states. Emphasis in this course is put upon revenue systems. An enlarged reading program is part of the course. Educational Administration 73 or its equivalent is a prerequisite. A course in taxation should precede or parallel this course.

- 112. Public School Finance. II.** Winter. Daily. Five credit hours. Four lectures and readings. Lambert.

The business management of school systems. Expenditures, costs, purchases, accounting, and the school budget. Educational Administration 73, or its equivalent, is a prerequisite. Given each alternate year.

- 113. Personnel Problems.** Winter. M. T. W. Th. Four credit hours. Lambert.

Problems of the teaching staff; training, selection, assignment, promotion, retirement. Contract, tenure, salaries. Given each alternate year. Educational Administration 73 is a prerequisite.

- 114. The Work of the School Principal.** Spring. M. T. F., 9:00. Three credit hours. Lambert.

The work of the school principal and the supervisor. Educational Administration 73 and work in educational psychology and teaching methods are prerequisites.

- 116. Public School Building and Transportation Programs.** Spring. Five credit hours. Four lectures, and readings. Lambert.

How to project a school building program and to finance it. How to integrate the curriculum, the school organization, the buildings, and the school transportation system. Management and care of school plants. Educational Administration 73 or its equivalent is a prerequisite.

- 118. Introduction to Research and Thesis Writing.** Autumn. M. W. F., 2:00. Three credit hours. Lambert.

Two lectures each week with individual conferences and readings. A course in the principles of scientific investigation and the acceptable procedures of research. Specific assistance in the preparation of the Master's thesis. Given for all of the graduate students in the University. This course or its equivalent required of all candidates for the Master's degree in Education.

- 150. Seminar in Education.** Any quarter. Time to be arranged.

A seminar in educational research is organized any quarter for five or more graduate students. It provides an opportunity for qualified workers to extend their studies of educational problems and for graduate students to secure aid in pursuing and reporting their investigations.

- 154. Educational Tests and Measurements.** Autumn, Spring. Three credit hours. Law.

A study of objective and standardized testing. Students in this course will undertake an actual program of testing, scoring, tabulating, and interpreting results, with the use of the Training School as a laboratory.

- 164. Achievement Testing.** Autumn or Spring. Three credit hours.

A course in the use of tests of achievement and intelligence. Standard tests, old-type, and new-type. Training in selecting, giving, scoring, and interpreting tests and in planning remedial measures.

- 193. The Work of the Superintendent.** Spring. Each alternate year. Five credit hours. Four lectures, and readings. Lambert.

The function and duties of the superintendent of schools in consolidated districts and in cities.

- 200. The Master's Thesis.** Any quarter. Credit to be arranged. Lambert, Law.

Elementary Education

Professor Law, Chairman

- 130-135. Independent Readings in Elementary Education.** Maximum of two credit hours in any one quarter. Law.

Qualified students may read in fields not adequately covered in their course work and make an organized report of the information gained. This reading should be planned to meet the needs of the student's graduate program. Registration by consent of instructor.

- 144. Advanced Student Teaching for Elementary Schools.** Autumn, Winter, Spring. Daily, 9:00-11:00, or 1:00-3:00. Three to six credit hours. Law and Peterson.

Designed for experienced teachers, supervisors, and administrators who desire further study and experience in working with children. Application for this work should be made in advance. Students may register for the course only upon the approval of the chairman of the Department of Elementary Education.

- 150. Seminar in Education.** Any quarter. Time to be arranged. Law.

A seminar in educational research is organized any quarter for five or more graduate students. It provides an opportunity for qualified workers to extend their studies of educational problems and for graduate students to secure aid in pursuing and reporting their investigations.

- 151. Science Teaching in the Elementary School.** Three credit hours. Law and Miller. (Not given this year.)

A study of science as an essential part of the curriculum. Includes the use of content from the physical and biological sciences.

- 157-159. Research in Elementary Education.** Any quarter. Two credit hours. Law.

Qualified students may pursue research in the field of elementary education and may receive credit upon the satisfactory completion of a paper embodying the results of such research. Registration by consent of the instructor.

- 160. Child Growth and Development for Elementary Teachers.**

Autumn, Winter, Spring. M. W. F. Laboratory work to be arranged. Three credit hours. Peterson.

The classwork and advanced study in the field of child development will be based upon observation of child behavior.

- 161. Teaching Language Arts in the Elementary School.** Three credit hours. Maeser. (Not given this year.)

Considers curriculum materials and procedures involved in teaching the language arts in relation to all phases of student experience.

- 164. Educational Tests and Measurements.** Spring. M. W. F., 9:00. Three credit hours. Law.

A study of objective and standardized testing. Students in this course will undertake an actual program of testing, scoring, tabulating, and interpreting results, with the use of the Training School as a laboratory.

- 179. Recent Developments in the Teaching of Reading.** Spring. Three credit hours. Law and Peterson. (Not given this year.)

A study of theory and practice in the teaching of reading with special attention to the results of recent research in this and related fields.

- 182. Elementary School Curriculum and Methods.** Winter. Daily, 9:00. Five credit hours. Law and Peterson.

This course deals with the curriculum and the materials of the elementary school together with methods in elementary education. Elementary Education 81 or its equivalent is a prerequisite.

- 183. Recent Trends in Elementary Education.** Spring. M. W. F. Three credit hours. Law, Peterson.

A study of modern practice and theory in the field of elementary school teaching. Prerequisite: 20 hours in education.

- 186. Curriculum Building in Elementary Schools.** Winter. M. W. F. Three credit hours. Law, Peterson.

A study of basic principles, procedures, materials and other considerations involved in curriculum building in elementary schools. This course is designed to assist in meeting the state requirements for a certificate in elementary school supervision, and to provide opportunity

for advanced study in this field by experienced teachers, supervisors, and administrators.

192. **Early Childhood Education.** Spring. M. W. F., 10:00. Three credit hours. Peterson.

Problems of early elementary education will be considered. A study of the activities, subject matter and concrete materials which should form the basis of the work with young children. Class room observation required.

195. **Supervision of Education.** Spring. M. W. F. Three credit hours. Law.

A study of the problems involved in elementary school supervision in the light of present day practice and theory in this field. (Accompanied by laboratory work.)

200. **The Master's Thesis.** Any quarter. Law.

Credit of four to six hours is given upon the completion of an acceptable thesis that embodies the results of independent research upon a significant problem in some field of concentration. Students should read the section of the catalogue that contains the requirements of the graduate school. Credit in Educational Administration 118, or an equivalent course, is a prerequisite.

Philosophy of Education and Guidance

Professor Lloyd, Chairman

- 118. Introduction to Research and Thesis Writing.** Autumn. M. W. F., 2:00. Three credit hours. Staff. (Not given this year.)

Two lectures each week with individual conferences and readings. A course in the principles of scientific investigation and the acceptable procedures of research. Specific assistance in the preparation of the Master's Thesis. Given for all the graduate students in the university.

- 169. Mental Hygiene.** Spring. M. W. F., 10:00. Three credit hours. (See Psychology 169.)

- 170. Clinical Psychology.** Autumn, M. W. F., 4:00. Three credit hours. Allen. (See Psychology 170.)

A consideration of the critical diagnosis and practical management of children with personality and behavior difficulties. Detailed remedial procedures will be emphasized. Prerequisite: Psychology 11, or equivalent.

- 171. History of Educational Thought.** Autumn, M. W. F., 2:00. Three credit hours. Romney.

A critical study of the contributions of the outstanding educational thinkers from the early Greeks to the present, and an evaluation of the various philosophies.

- 172. History of Education in America.** Winter. M. W. F., 2:00. Three credit hours. Romney. (Not given this year.)

The rise and development of the American educational system as it has been affected by changes in American life from the colonial period to the present.

- 173. Education in the Social Order.** Spring. M. T. W. Th., 11:00. Three credit hours. Lloyd. (Not given this year.)

The school as a social institution, with special emphasis upon its relation to social, economic, and political change. The effect of these changes upon educational practice and philosophy of education.

- 176. Psychological Tests.** Winter. M. W. F., 4:00. Three credit hours. Allen. (See Psychology 176.)

History, theory and use of different kinds of psychological tests and scales. Scientific interpretation and application of test results. Prerequisite: Psychology 11.

177. An Introduction to the Field of Social Work. Autumn. T. Th., 1:00. Two credit hours. (See Sociology 176.)

180. Fundamentals of Guidance. Winter. M. W. F., 2:00. Three credit hours. Romney.

A basic course for students seeking comprehensive information in the history, principles, and practices of guidance.

181. History of Philosophy. Autumn. M. W. F., 2:00. Three credit hours. R. Swensen.

A history of the rise and development of philosophy in the Greek, Graeco-Roman, medieval, renaissance, eighteenth century, and modern periods. Stress is laid upon an appreciation of the outstanding philosophers of the various schools of thought and their relation to the intellectual trends and problems of the present.

182, 183. Occupations. Autumn and Winter. M. W. F., 1:00. Three credit hours each quarter. Staff.

Occupational information for guidance purposes. The course will deal with sources, classifications, and methods of imparting occupational information. Local and national opportunities will be considered.

187. Character Education. Autumn. M. W. F., 11:00. Three credit hours. Lloyd. (Not given this year.)

A study of various methods and techniques in character education that are now in use in the United States and an evaluation of the educational philosophy upon which each of these rests. Special attention will be given to recent trends in this field.

188. Administration of Student Personnel Service. Autumn. M. W. F., 9:00. Three credit hours. Lloyd

Attention is given to the administrative organization of personnel service. This course includes a study of health service, employment, curricular and extra-curricular activities, cumulative records, and techniques of the interview.

189. Seminar in Counseling and Guidance. Spring. M. W. F., 2:00. Three credit hours. Romney.

A course in which practice in counseling is given with related work in the Counseling Service of the university. Romney.

190. Social Ethics. Autumn. M. W. F., 9:00. Three credit hours. Lloyd.

A treatment of ethical theory as applied to modern social, industrial, and professional problems. Consideration is given to Puritan ethics; individualism, Christian ethics, international good will and world peace.

191. Research in Philosophy of Education. Any quarter. Lloyd.

A maximum of two credit hours for research and reports in the Philosophy of Education. Reading may cover materials in which regular courses are not offered. Registration by consent of the instructor.

192. Seminar in Philosophy of Education. Time to be arranged. Two credit hours. Lloyd and Staff.

193. Philosophy of Education. Autumn and Spring. M. W. F., 9:00. Winter, M. W. F., 10:00. Three credit hours. Lloyd.

This course is designed primarily to assist students in the achievement of a basic philosophy of education, growing out of the integrated experiences of university life. Special attention will be given to the American tradition in education, the qualities of an educated individual, and the role of the college graduate in the modern social order.

200. The Master's Thesis in Philosophy of Education. Any quarter. Lloyd, Law, Swenson, Clark, Romney. Credit of four to six hours is given upon the completion of an acceptable thesis that embodies the results of independent search upon a significant problem in some field of concentration. Students should read the section of the catalogue that contains the requirements of the graduate school. Credit in Education 118 or an equivalent course is a prerequisite.

Secondary Education

Professor Woolf, Chairman

122. Problems in Part-Time Education. Autumn, Winter, or Spring. T. Th. Time to be arranged. Two credit hours. Merrill.

This course deals with the methods and the problems of part-time education: the character of the population to be educated, methods of teaching in part-time classes, job analysis, and course organization.

- 140-50 Research in Secondary Education.** Autumn, Winter, or Spring. Woolf and Merrill.

Maximum of three credit hours is allowed for the completion of an acceptable paper that embodies the results of independent research upon some problem in secondary education. Registration by consent of the instructor.

- 179. Development of Secondary Schools and Current Theories and Practices.** Autumn, Winter, or Spring. Time to be arranged. Maximum of three credit hours each quarter. Woolf.

Independent readings and individual conferences will be planned to permit graduate students to become familiar with important literature in the field of Secondary Education. Registration upon consultation with instructor.

- 180. Secondary School Subjects.** Autumn, Winter, or Spring. Maximum of three credit hours each quarter. Woolf.

Independent readings and individual conferences designed to acquaint the student with studies pertaining to improved methods in teaching secondary school subjects. Registration upon consultation with instructor.

- 191. Secondary School Curricula.** Winter. 11:00. Four credit hours. Merrill, Woolf.

The theory of high school curricula. Particular attention is given also to an evaluation of the subject matter and student activities now required of students in high schools of Utah.

- 194. Growth, Development and Guidance of Youth.** Autumn Winter or Spring. M. W. F., 11:00. Three credit hours. Merrill, Romney.

A consideration of the growth and development of youth, and the building therefrom of a functional guidance program in the secondary schools. Actual cases and situations will be studied.

- 195. The Senior High School.** Spring. M. T. W. Th. Time to be arranged. Four credit hours. Merrill.

This course deals with the problems of the senior high school, especially those concerned with modifications of present practices.

- 196. Articulation of School Units.** Winter. M. W. F., 10:00. Three credit hours. Merrill.

This course deals with the review of the functions of the various units, present educational trends, and the relation of one unit of administration to another.

200. The Master's Thesis. Any quarter. Woolf, Merrill, Law.

Credit of four to six hours is given upon the completion of an acceptable thesis that embodies the results of independent research upon a significant problem in some field of concentration.

Health, Physical Education, and Recreation

Professor Hart, Chairman

*Professors Hart, Cullimore, Kimball, Holbrook, Martin,
Tanner; Associate Professors Merrill, Hayward;*

Assistant Professors Dixon, Millet, Ensign;

Mr. Crowton, Mr. Soffe, Mr. Losee,

Mr. Gilbert.

The department of Health, Physical Education, and Recreation offers courses in these three areas to meet freshman requirements, graduation requirements, and elective desires of students.

Each freshman student is required to take Health 1 and to register for one lower division physical education course during each quarter of his freshman year. A variety of activities is available for choice. Three quarters of activity will provide the opportunity for organic development, neuromuscular skill, social contact in game and team situations, and other carry-over values.

Extra curricular activities are promoted for student participation: games, sports, hikes, dancing, and intramural athletics. The department urges all students to participate regularly in some form of physical activity.

The Brigham Young University is a member of the Mountain States Athletic Conference. A full schedule of interscho-

lastic athletic competition, as sponsored by the Conference, is participated in by the school.

Students using the towel service are required to make a 25 cent deposit by purchasing a towel check. The towel check is exchangeable for towel service during regular school hours. Towel checks are redeemable at any time.

A thorough physical and medical examination will be given each freshman student upon entering the institution.

Students registered for physical education activity courses are required to provide themselves with the official uniform which may be purchased at the University book store. They are also required to provide themselves with an approved combination padlock for use on basket locker.

THE TEACHING MAJOR IN PHYSICAL EDUCATION

A teaching major in physical education is offered in this department.

Students proceeding upon a major in physical education should register according to the following four-year program. This program is so constructed that all requirements for graduation, including group requirements; state certification for teaching in Utah; and the teaching major; are thereby met.

Requirements for an accompanying teaching minor are quite largely met in filling group requirements. Choice of electives under departmental direction will complete the minor.

Students majoring in physical education or those who plan to major in physical education should consult with and register through advisors in this department.

CURRICULUM FOR PHYSICAL EDUCATION MAJORS FRESHMAN YEAR

	Credit Hours
English 1, 2, 3	9
Religious Education	6
Physical Education 4, 5, 6 (or 7, 8, 9)	6
Health 1	1
Health 21 (Bacteriology)	3
Sociology	5
Economics or History	5
Physics 1 (Autumn)	3
Chemistry	
Electives	

SOPHOMORE YEAR

English	7
Religious Education	6
Physical Education 7, 8, 9 (or 4, 5, 6.)	6
Physical Education 26	1
Zoology 45	4
Foods and Nutrition 5	3
Geology	3
Physical Education 31, 32, 33 (Women)	3
Electives	

JUNIOR YEAR

English	2
General Education 63	3
Sociology 71	2
Physical Education 51, 52, 53 (Men)	6
Physical Education 61, 62, 63 (Women)	3
Physical Education 42, 43 (Women)	1
Physical Education 91	3
Physical Education 90	3
Health 95	3
Recreation 71	3
General Education 53	3
Secondary Education 81	4
General Education 57	2
Health 58	3
Electives	

SENIOR YEAR

Physical Education 88	3
Physical Education 93	3
Physical Education 94	5
Physical Education 96	3
Philosophy of Education 93	3
Secondary Education 84	8
Secondary Education 94	4
Secondary Education 96	3
Electives	

HEALTH**Lower Division Courses**

1. **Personal Hygiene.** Autumn, Winter, or Spring. T. Th., 1:00. One credit hour. Cullimore, Merrill.

This course is required of all freshmen students. The course is designed to present in a popular manner prob-

lems concerning personal hygiene and proper health habits.

- 5. Elementary Nutrition.** Winter, 10:00. Autumn and Spring, M. W. F., 8:00. Three credit hours.

The study of the fundamentals of nutrition and the use of the diet in maintaining physical fitness.

Open to men and women. Required of majors in vocational education.

- 10. Family Health.** Winter. M. W. F., 8:00. Three credit hours.

A consideration of factors underlying health; methods concerned with the control and prevention of communicable and infectious diseases; home care of the sick.

- 21. Bacteriology.** Autumn, Winter, or Spring. M. W. F., 3 or 5 credit hours. (See Bacteriology 21.) Sec. 1, 9:00, Autumn, Winter. Martin; Sec. 2, 10:00, Autumn, Winter, Spring.

- 22. Bacteriology Laboratory.** Autumn, Winter, or Spring. Sec. 1, M. W. Sec. 2, T. Th., 1:00-4:00. Two credit hours. Martin. (See Bacteriology 22.)

Laboratory course in general bacteriology, designed to accompany Health 21.

- 45. Vertebrate Anatomy and Physiology.** Winter and Spring. M. W. F., 8:00. Laboratory, T. Th., 1:00-4:00. Four credit hours. Hayward. (See Zoology 45.)

This course is designed for the majors and minors in physical education. The instruction will provide for a preparation to teach such subjects as physiology, hygiene, and general zoology in the high school curriculum. A general survey of the vertebrate animals will be undertaken. A thorough appreciation of comparative anatomy of representative vertebrates and their physiology will constitute the main part of the laboratory work.

Upper Division Courses

- 57. Materials and Methods in Safety Education.** Autumn, Winter, Spring. T. Th., 2:00. Two credit hours. Hart.

The course will be broad in scope, yet will give emphasis to such matters as protecting the school child; safety education in the schools; safety in the home, on the farm and in industry; traffic safety; bicycle safety; and sources and selection of materials.

- 58. Health Education for Teachers.** Autumn, Winter, Spring. M. W. F., 1:00. Three credit hours.

Designed especially for those who are preparing to teach in the public schools.

- 65. Human Physiology.** Autumn. M. W. F., 10:00. Three credit hours. Hayward. (See Zoology 65.)

This course is designed to give the student a working knowledge of the life processes as they function in man. Prerequisite: Zoology 11.

- 68. Public Health and Sanitation.** Three credit hours. M. W. F., Martin. (See Bacteriology 68.)

The principles of public health, emphasizing facts vital to the public welfare such as the safety of water and milk supplies, sewage disposal, prevention of disease, the venereal disease problem and vital statistics. Information of value to teachers, community leaders, and citizens.

- 69. Mental Hygiene.** Spring. M. W. F., 10:00. Three credit hours. Poulson. (See Psychology 69.)

A consideration of certain practical applications of mental health of immediate value to students in meeting many of their personal problems. Also applications in educational remedial social work will be indicated. Prerequisite: Psychology 11, or equivalent.

- 95. First Aid.** Autumn. M. W. F., 1:00. Three credit hours. Hart.

Principles of first aid treatment of injuries, massage physio-therapy, bandaging, and the essentials of conditioning. Those successfully completing the course will be given the official American Red Cross Standard and Advanced First Aid Course Certificates.

Graduate Course

- 157. Materials and Methods of Safety Education.** Autumn, Winter, Spring. T. Th., 2:00. Two credit hours. Hart.

PHYSICAL EDUCATION

Lower Division Courses

- 1, 2, 3. Elementary Physical Education.** Autumn, Winter, Spring. One credit hour each quarter. **Women's Section:** M. W. F., 10:00; **Men's Section:** Sec. 1, M. W. F.,

10:00; Sec. 2, M. W. F., 11:00; Sec. 3, M. W. F., 1:00; Sec. 4, M. W. F., 2:00.

These courses will include games, and a variety of athletic and gymnastic activities.

4. **Skills and Techniques.** (Women.) Autumn. Daily. 3:00.
Two credit hours. Holbrook.
Soccer, speedball, and folk dancing.
4. **Skills and Techniques.** (Men.) Autumn. Daily, 3:00.
Two credit hours. Dixon and Staff.
Soccer, speedball, touch football and folk dancing.
5. **Skills and Techniques.** (Women.) Winter. Daily, 3:00.
Two credit hours. Holbrook and Staff.
Marching, social dancing, stunts, pyramids, tumbling, and volley ball.
5. **Skills and Techniques.** (Men.) Winter. Daily, 3:00.
Two credit hours. Dixon and Staff.
Marching, social dancing, tumbling, apparatus, wrestling, volley ball.
6. **Skills and Techniques.** (Women.) Spring. Daily, 3:00.
Two credit hours. Holbrook and Staff.
Group games and relays, outdoor games, track and field, and archery.
6. **Skills and Techniques.** (Men.) Spring. Daily, 3:00.
Two credit hours. Dixon and Staff.
Group games and relays, outdoor games, softball, archery.
7. **Skills and Techniques.** (Women.) Autumn. Daily, 3:00.
Two credit hours. Holbrook. (Not given this year.)
Field ball, hockey, badminton.
7. **Skills and Techniques.** (Men.) Autumn. Daily, 3:00. Two credit hours. Dixon and Staff. (Not given this year.)
Football, six-man football, badminton, apparatus, tumbling.
8. **Skills and Techniques.** (Women.) Winter. Daily, 3:00. Two credit hours. Holbrook and Staff. (Not given this year.)
Basketball, handball, rope jumping, tap dancing, and dynamics of modern dance.
8. **Skills and Techniques.** (Men.) Winter. Daily, 3:00.

Two credit hours. Dixon and Staff. (Not given this year.)
Boxing, basketball, handball, rope jumping, dynamics of modern dance, tap dance.

9. **Skills and Techniques.** (Women.) Spring. Daily, 3:00. Two credit hours. Holbrook and Staff. (Not given this year.)
Recreational sports, softball, tennis, and golf.
9. **Skills and Techniques.** (Men.) Spring. Daily, 3:00. Two credit hours. Dixon and Staff. (Not given this year.)
Track and field, tennis, golf. Recreational sports.
10. **Basketball for Beginners.** (Women.) Winter, M. W. F., 4:00. One credit hour. Holbrook.
11. **Volley Ball.** Men's Sec. Winter. T. Th., 1:00. Women's Section. Autumn. M. W. F., 11:00; Winter, M. W. F., 1:00. One credit hour.
12. **Badminton.** Men's Section. Winter. T. Th., 2:00. Dixon Women's Section. Autumn, Winter, Spring. T. Th., 8:00. One credit hour.
13. **Soccer and Speedball.** (Women?) Autumn. M. W. F., 1:00. One credit hour. Staff.
14. **Archery.** (Men and Women.) Autumn. Spring. Daily, 1:00. One credit hour. Holbrook.
This course aims to develop individual techniques, providing experience in various types of tournaments and related archery activities.
15. **Tumbling.** (Men.) Autumn, Winter, M. W. F., 9:00. One credit hour. Millet. (Not given this year.)
15. **Tumbling, Pyramid Building and Stunts.** (Women) Autumn, Spring, T. Th., 2:00. One credit hour. Holbrook.
Simple tumbling events in keeping with beginners' ability will be taught as foundation work. Other items will be given to develop skill and coordination for the fun and satisfaction of the performers.
16. **Hockey.** (Women.) Autumn. M. W. F., 2:00. One credit hour. Holbrook.
17. **Boxing.** Autumn, Winter. M. W. F., 1:00. One credit hour. Staff.

This course will consist of the theory and practice of boxing.

18. **Wrestling.** Autumn, Winter. M. W. F., 9:00. One credit hour. Staff.

This course will consist of the theory and practice of wrestling.

19. **Tennis.** (Men and Women.) Spring. M. W. F. Sec. 1, 9:00. Sec. 2, 10:00. One credit hour. Dixon.

This course will consist of the theory and practice of tennis. Limited to 24 students per class. Not open to freshmen. By permission of instructor only.

20. **Golf.** (Men and Women.) Spring. Saturday, 9-12. One credit hour. Provo Municipal Golf Course. Dixon. (Golf fee required.)

This course will consist of the theory and practice of golf. A special fee is charged for this course. Students will be required to furnish their own equipment.

21. **Softball and Spring Athletics.** (Women). Spring. M. W. F. Sec. 1, 1:00; Sec. 2, 2:00. One credit hour. Holbrook.

22. **Skiing.** Winter. Saturday, 8:00-4:00 or as scheduled. One credit hour. Holbrook. Fee: \$10.00 payable at Treasurer's Office. Permission to withdraw refund is restricted. First year skiing for participants of varying abilities. Sections will be formed and instruction will be given in the fundamentals of climbing, touring, cross country, downhill, and slalom.

23. **Skiing.** Winter. Saturday, 8:00-4:00 or as scheduled. One credit hour. Holbrook. Fee \$10.00 payable at Treasurer's Office. Permission to withdraw refund is restricted.

24. **Fencing.** Winter. Three periods each week. M. W. F., 3:00. One credit hour. Staff. (Not given this year.)

Open to both men and women. Students will furnish their own equipment.

26. **Elementary Clog and Tap Dancing.** (Men and Women.) Autumn, Spring. T. Th., 1:00. One credit hour.

Simple routines and rhythms will be taught and worked out to old-time and modern music. Emphasis will be placed upon the recreative rather than the professional aspects of the activity.

- 27. Advanced Tap.** (Men and women.) Winter. T. Th., 1:00. One credit hour.

For those who have already attained a degree of skill in tap technique. Prerequisite: Physical Education 26, or fundamental tap steps, time steps, and knowledge of several routines.

- 28. Hiking.** (Women.) Autumn, Spring. Saturday, 8:00-12:00 or later as scheduled. One credit hour. Ensign. Transportation fee: \$5.00 payable at Treasurer's Office. Permission to withdraw refund is restricted.

Hikes will be taken in the canyons and mountains of the vicinity. Short hikes are planned for the beginning of the season; and longer, more strenuous climbs will be taken at the end of the quarter.

- 29. Horseback Riding.** (Women.) Autumn, Spring. T. Th., 4:00-6:00. One credit hour. Holbrook. Fee: \$20.00, payable at Treasurer's Office. Permission to withdraw refund is restricted.

Group instruction in riding with a development in the techniques and with instruction in the "aids." Correct handling of horses, and the development of gait will be taught. Progress will be graded from the beginning phases of horseback riding.

- 30. Intermediate Basketball.** (Women). Winter. M. W. F., 2:00. One credit hour. Holbrook.

- 31. Creative Dance.** (Women.) Autumn, M. W. F., 9:00. One credit hour. Ensign.

- 31. Creative Dance.** (Men.) Spring. T. Th., 5:00. One credit hour. Ensign.

The development of the dynamic quality of dance, with special emphasis given to rhythm and movement for men.

- 32. Creative Dance.** Winter. M. W. F., 9:00. One credit hour. Ensign.

Development of techniques into dance studies and single forms in composition.

- 33. Creative Dance.** Spring. M. W. F., 9:00. One credit hour. Ensign.

Intermediate and advanced techniques.

- 39. Advanced Tennis.** Spring. M. W. F., 8:00. One credit hour. Dixon.

Advanced course in the theory and practice of tennis. Prerequisite: Physical Education 19, or admission by permission of instructor.

42. **Folk and Country Dancing.** (Men and women). One credit hour. Staff. Winter. Sec. 1, M. W. F., 11:00. Sec. 2, T. Th., 2:00.
43. **American Folk Dancing.** (Men and Women). Spring. M. W. F., 11:00. Square and round dances of the United States and dances of the Americas. One credit hour. Staff.

Upper Division Courses

51. **Athletic Coaching and Directing — Football.** Autumn. Three periods each week. 10:00. Three credit hours. Millet.

This course is designed to prepare students for the coaching of football. It will deal with the fundamentals of the game, methods of working out plays, systems of offense and defense, the conditioning of teams, etc.

52. **Athletic Coaching and Directing — Basketball.** Winter. Three periods each week. 10:00. Three credit hours. Millet.

This course is designed to prepare for the coaching of basketball. Students will be thoroughly instructed in fundamentals, offensive and defensive systems, schedule making, etc.

53. **Athletic Coaching and Directing — Track and Field.** Spring. Three periods a week. 10:00. Three credit hours. Millet.

This course will deal with the technique of track and field athletics and with the management of meets.

54. **Officiating Major Sports.** Winter. T. Th., 9:00. Laboratory time to be arranged. Two or three credit hours. Kimball.

This course is designed for those who desire training and experience in officiating. It should prove helpful to majors and minors in physical education, as well as those who plan to do professional officiating. Rules, techniques, problems, and procedures in officiating football and basketball will be covered. Laboratory will consist of demonstrations and practice in officiating games.

59. **Physical Education for Elementary Teachers.** Autumn. W. F., 4:00 to 5:15. Two credit hours. Holbrook.

This course, required of all elementary majors, will include fundamentals of physical education in small and large group play, and team activities.

- 60. Physical Education for Elementary Teachers.** Spring. W. F., 4:00 to 5:15 Two credit hours Holbrook

This course, required of all elementary teachers, is a continuation of Physical Education 59 and includes rhythmic activities, stunts, and classroom games.

- 61. Creative Dance.** Autumn. M. W. F., 8:00. One credit hour. Ensign. Advanced forms of composition.

- 62. Creative Dance.** Winter. M. W. F., 8:00. One credit hour. Ensign.

- 63. Creative Dance.** Spring. M. W. F., 8:00. One credit hour. Ensign.

A survey course in dance from kindergarten to college. Methods of presenting a follow-through program in teaching, program of planning and organization.

- 88. Physiology of Activity.** Winter. M. W. F., 1:00. Three credit hours. Kimball.

A study of the processes which occur in the body during exercise. Special attention will be given to the effects of exercise upon circulation, respiration, and metabolism. Prerequisite: Zoology 45.

- 90. Principles of Physical Education.** Winter. M. W. F., 9:00. Three credit hours. Millet.

This course aims to acquaint the students with the philosophy and principles underlying physical education in order that they may gain a general comprehension and unified view of the entire subject.

- 91. General Kinesiology.** Autumn. M. W. F., 8:00. Three credit hours. Dixon.

The anatomy of the human body with emphasis upon the study of bones, joints, and the skeletal muscles. Athletic exercises will be studied, with reference to their effect upon the body. Prerequisite: Zoology 45.

- 93. Organization and Administration of Physical Education, Health, and Recreation.** Spring. M. W. F., 9:00. Three credit hours. Hart.

The executive and administrative problems arising out

of organizing and conducting health, physical education, and recreation programs in schools and communities.

94. **Introduction to Achievement Tests in Physical Education.** Winter. Daily, 8:00. Five credit hours. Hart.

This course reviews the history of tests in physical education and also gives consideration to the essential procedure used in evaluating such tests and their results. Prerequisite: Educational Administration 74.

96. **Adaptation of Activities in Corrective Procedure.** Spring. M. W. F., 8:00. Three credit hours. Hart.

The variation of posture, the mechanics of balancing of the forces in the body, psychology of individual gymnastics, methods of stimulating interest in posture, and the selection and scope of corrective activities. Prerequisites: Zoology 45, Physical Education 91.

97. **Seminar in Physical Education.** Time and credit to be arranged.

Graduate Courses

188. **Physiology of Activity.** Winter. M. W. F., 1:00. Three credit hours. Kimball. Prerequisite: Zoology 45.

190. **Principles of Physical Education.** Winter. M. W. F., 9:00. Three credit hours. Millet.

193. **Organization and Administration of Physical Education, Health, and Recreation.** Spring. M. W. F., 9:00. Three credit hours. Hart.

194. **Achievement Tests in Physical Education.** Winter. Daily, 8:00. Five credit hours. Hart.

196. **Adaptation of Activities in Corrective Procedure.** Spring. M. W. F., 8:00. Three credit hours. Open to both men and women. Hart. Prerequisites: Zoology 45, Physical Education 91.

197. **Seminar in Physical Education.** Time and credit to be arranged.

198. **Research in Physical Education.** Time and credit to be arranged.

200. **The Master's Thesis in Physical Education.** Credit by arrangement.

RECREATION.**Lower Division Course**

25. **Social Dancing.** Autumn. T. Th., 4:00. One credit hour. Staff.

Open to freshman and sophomore men and women. Permission must be obtained from instructor before registering. Credit in this course does not substitute for freshman physical education requirement.

26. **Crafts.** Spring. T. Th., 2:00-4:00. One credit hour. Birrell.
Leather wood, raffia and reed used as basis for creative

28. **Hiking.** Autumn, Spring. Saturday, 8:00-12:00 or later as scheduled. One credit hour. Ensign. Transportation fee: \$5.00 payable at Treasurer's Office.

Hikes will be taken in the canyons and mountains of the vicinity. Short hikes are planned for the beginning of the season; and longer, more strenuous climbs will be taken at the end of the quarter.

29. **Horseback Riding.** Spring. T. Th., 4:00-6:00. One credit hour. Holbrook. Fee: \$20.00 payable at Treasurer's Office.

Group instruction in riding with a development in the techniques and with instruction in the "aids." Correct-handling of horse, and the development of gait will be taught. Progress will be graded from the beginning phases of horseback riding.

Upper Division Courses

71. **The Theory of Play.** Autumn. M. W. F., 11:00. Three credit hours. Holbrook.

The theory of play and its organization. Gives consideration to the history and classification of the play, the need for play in modern life, and play in education.

73. **Recreation Leadership.** Autumn, Winter, Spring. T. Th., 10:00. Two credit hours. Holbrook and Hart.

This course is given to meet the needs of community, church, and school recreation leaders. Open to juniors and seniors.

97. **Seminar in Recreation.** Time and credit to be arranged.

Graduate Courses

171. **Theory of Organized Play.** Autumn. M. W. F., 11:00. Three credit hours. Holbrook.

197. **Seminar in Recreation.** Time and credit to be arranged.

College of Fine Arts

Gerrit de Jong, Jr., Dean

The policy of the University has always provided for a liberal patronage of the fine arts. A constantly growing desire to offer greater opportunities to those whose inclinations and talents lead them into this field resulted in the organization of the College of Fine Arts.

With an exceptionally well prepared faculty, who have received the benefits of extended study and travel in recognized art centers, and adequate physical equipment in each department, this college is able to do work of high scholastic standing.

Any course offered in this college, leading to a degree, is the cultural equivalent to other college courses differing from them mainly in respect to the emphasis placed upon the study of the fine arts.

At present the following departments, fully organized, are included in the College of Fine Arts: Art (Drawing, Painting, Modeling, Design, History and Appreciation); Music (Theory, Instrumental, Vocal); and Speech (Public Speaking, Dramatic Art, Play Production, Speech Correction, Radio.) Majors may be selected from the work offered in these departments; minors from these, or from other departments in the university which offer allied work. Students graduated from the College of Fine Arts receive the degree of Bachelor of Arts or Bachelor of Science.

Art

*Professors Larsen, Jenson; Assistant Professor Birrell;
Mr. Andrus, Mr. Taylor.*

Students majoring in Art are required to take courses 1, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 24, 25, 26, 27, 28, 29, 70, 83, 84, 86, 87.

For students who are preparing to teach Art the depart-

ment recommends at least six additional hours of upper division work to be selected under the direction of the head of the department.

Lower Division Courses

1. **Theory and Practice of Design.** Autumn. M. W. F., 1:00. Two credit hours. Larsen.
Study of the fundamental principles of art affecting the use of form, color and texture in structural forms and decoration. Foundation course in Art Appreciation.
4. **Graphic Representation.** Autumn. M. W. F., 2:00. Two credit hours. Larsen.
Freehand drawing in various media. Perspective emphasized.
5. **Graphic Representation.** Winter. M. W. F., 2:00. Two credit hours. Larsen.
Life drawing.
6. **Graphic Representation.** Spring. M. W. F., 2:00. Two credit hours. Larsen.
Freehand Drawing. Composition in various media.
7. **Oil Painting.** Autumn. M. W. F., 3:00-5:00. Two credit hours. Larsen.
An introduction to the use of oil colors as a medium of expression.
8. **Oil Painting.** Winter. M. W. F., 3:00-5:00. Two credit hours. Larsen.
Oil painting technique emphasized.
9. **Oil Painting.** Spring. M. W. F., 3:00-5:00. Two credit hours. Larsen.
The landscape emphasized.
11. **Water Color Painting.** Autumn. T. Th., 2:00-4:00. Two credit hours. Birrell.
Survey and application of the various techniques of water color painting.
12. **Water Color Painting.** Winter. T. Th., 1:00-3:00. Two credit hours. Birrell.
Emphasis on mass, line, value, and texture as related to still life compositions.

- 13. Water Color Painting.** Spring. T. Th., 2:00-4:00.- Two credit hours. Birrell.
Emphasis on color as related to outdoor sketching.
- 14, 15, 16. Commercial Art.** Autumn, Winter, Spring. T. Th., 1:00. One or two credit hours each quarter. Jenson.
(See Marketing 14, 15, 16.)
- 17. Process Illustrations.** Autumn. M. W. F., 9:00. Two credit hours. Andrus.
Wood cutting and related processes.
- 18. Process Illustration.** Winter. M. W. F., 9:00. Two credit hours. Andrus.
Etching and Lithography.
- 19. Process Illustration.** Spring. M. W. F., 9:00. Two credit hours. Andrus.
Silk Screen process.
- 23. Modeling and Casting.** Autumn, M. W., 10:00-12:00. One credit hour. Birrell. Uneven years only.
Modeling and casting of objects from the model in plaster, wood, etc. Prerequisite: Art 5.
- 24. Jewelry.** Spring. M. W., 10:00-12:00. One credit hour. Birrell. Alternate years.
Copper work, jewelry.
- 25. Batik and Textile Design.** Winter. T. Th., 3:00-5:00. Two credit hours. Birrell.
Wood block, linoleum block, weaving, stencil, textile, painting and Batik used as a basis for creative design. The history of design is considered.
- 26. Crafts.** Spring. M. W., 11:00. One credit hour. Birrell.
Leather, wood, raffia and reed used as basis for creative design.
- 27. Pottery.** Autumn. M. W., 10:00-12:00. One credit hour. Birrell. Even years only. Pottery and Modeling in clay. The figure in plastic design.
- 28. Home Planning and Interior Design.** Winter. M. W. F., 1:00. Two credit hours. Larsen.
Study of the home in relation to the family needs. Art problems in connection with home planning.

- 29. Interior Design.** Spring. Sec. I. M. W. F., 1:00. Section II, T Th., 1:00. Two credit hours. Larsen.

The study of art principles as applied to the decoration and furnishing of the home.

- 39, 40, 41. Studio Art.** Autumn, Winter, Spring. M. W. F., 3:00. Two credit hours each quarter. Staff.

- 42, 43, 44. Art for Elementary School Teachers.** Autumn, Winter, Spring. M. W. F., 3:00. One to three credit hours each quarter. Jenson.

Simple drawing and painting with various media. Methods of teaching and integrating art with the other subjects will be stressed.

Upper Division Courses

- 54, 55, 56. Interpretative Drawing.** Autumn, Winter, Spring. M. W. F., 2:00. Two credit hours. Larsen.

Figure and nature compositions in various media. Elementary illustration. Prerequisites: Art 4 5, 6.

- 57. Oil Painting.** Autumn. M. W. F., 3:00-5:00. Two to four credit hours. Larsen.

Emphasis upon landscape composition. Prerequisites: Art 4, 5, 6.

- 58. Oil Painting.** Winter. M. W. F., 3:00-5:00. Two to four credit hours. Larsen. Prerequisites: Art 4, 5, 6.

- 59. Oil Painting.** Spring. M. W. F., 3:00-5:00. Two to four credit hours. Larsen.

Outdoor sketching and landscape composition. Prerequisites: Art 4, 5, 6.

- 60. Commercial Art Shop Equipment.** Winter, T. Th., 9:00-11:00. Two credit hours. Andrus.

Use of Airbrush, reflectoscope, cutawl, flock, etc. Prerequisite: Art 14, 15, 16.

- 61. Water Color Painting.** Autumn, T. Th., 2:00-4:00. Two to four credit hours. Birrell.

Landscape and still-life composition. Prerequisites: Art 4, 5, 6, 11, 12, 13.

- 62. Water Color Painting.** Winter. T. Th., 1:00-3:00. Two to four credit hours. Birrell.

Still-life and figure composition. Prerequisites: Art 4, 5, 6, 11, 12, 13.

63. **Water Color Painting.** Spring. T. Th., 2:00-4:00. Two to four credit hours. Birrell.

Outdoor sketching. Prerequisites: Art 4, 5, 6, 11, 12, 13.

64. 65, 66. **Commercial Art.** Autumn, Winter, Spring. T. Th., 1:00. Two to four credit hours each quarter. Jenson.

Poster designing and lettering. Systems of lettering. Sign writing introduced. Historical alphabets. Prerequisites: Art 14, 15, 16.

- 67, 68, 69. **Process Illustration.** Autumn, Winter, Spring. M. W. F., 9:00. Two credit hours each quarter. Andrus.

A study of various print techniques. Prerequisites: Art 4, 5, 6, for Art 68, 69.

70. **Advanced Design.** Autumn, T. Th., 9:00. Two credit hours. Birrell.

Spacial relationships stressed as applicable to commercial, industrial, and modern design. Prerequisite: Art 1.

71. **Mural Design.** Winter. M. W., 10:00. Two credit hours. Birrell.

The figure in design based on special, mural treatment. Prerequisites: Art 1, 5, 70.

72. **Industrial Design.** Spring, T. Th., 1:00. Lab. T. Th, 2:00-4:00.

Commercial design as affecting modern equipment in plastic mediums (woods, metal, glass, plexiglass, and other plastics). Special stress is given household fixtures and furniture, window and show case fixtures, and the use of plastics in advertising art.

73. **Modeling and Casting.** Autumn, M. W., 10:00-12:00. Two credit hours. Birrell.

The figure in plastic design. Modeling and casting with a stress on design. Modeling in plaster, wood, etc. Prerequisite: Art 5.

74. **Jewelry.** Spring. M. W., 10:00-12:00. One or two credit hours. Alternate years. Birrell.

Advanced work in copper and jewelry.

75. **Textile Design.** Winter, T. Th., 3:00-5:00. One or two credit hours. Birrell.

Advanced work in textile design.

76. **Crafts.** Spring. M. W., 11:00. One or two credit hours. Birrell.
77. **Pottery and Ceramics.** Autumn. M. W., 10:00-12:00. Birrell.
Advanced work in pottery and ceramics. Even years only.
- 78, 79. **Home Planning and Interior Decoration** Winter and Spring. M. W. F., 1:00. Two credit hours each quarter. Larsen.
- 80, 81, 82. **Interior Decoration.** Autumn, Winter, Spring. M. W. F., 11:00. Three credit hours. Taylor.
History of Interior Design. A study of period furnishings. A practical study of the manufacture, design, installation and care of all media and materials used in interior design and home furnishings. Practical problems in interior decoration. Prerequisites: Art 1, 28, 29. (See Household Administration 52, 53, 54.)
83. **Art History and Appreciation.** Autumn. T. Th., 1:00. Two credit hours. Birrell.
Prehistoric structure, graphic art and decoration. Interpretation and classification of masterpieces of architecture, sculpture, graphic arts, ornament and painting to the end of the middle ages.
84. **Art History and Appreciation.** Winter. M. W., 9:00. Two credit hours. Birrell.
Renaissance architecture, sculpture, graphic arts, ornament and painting. Emphasis upon schools of painting beginning with the Primitive Florentine down to those of the nineteenth century. Illustrated lectures.
86. **Contemporary Art.** Winter. T. Th., 8:00. Two credit hours. Larsen.
A study of the rise and progress of contemporary art in Europe and America, beginning with the 19th Century.
87. **American Art.** Spring. T. Th., 8:00. Two credit hours. Larsen.
A study of the crafts, sculpture, painting, architecture, and industrial arts in America.
- 89, 90, 91. **Studio Art.** Autumn, Winter, Spring. Time to be arranged. One to five credit hours each quarter. Staff.
Advanced drawing and painting.

- 92, 93, 94. **Art for Elementary School Teachers.** Autumn, Winter, Spring. M. W. F., 3:00. One to three credit hours. Jenson.

Simple drawing and painting with various media. Methods of teaching and integrating art with other subjects will be stressed.

- 95, 96, 97. **Portrait or Figure Painting.** Autumn, Winter and Spring. Time to be arranged. Two credit hours each quarter. Andrus.

- 98, 99, 100. **Mural Painting.** Autumn, Winter, Spring. Time to be arranged. Two to four credit hours. Andrus.

Graduate Courses

- 101, 102 103. **Composition.** Autumn, Winter, Spring. T. Th., 9:00. Two credit hours. Larsen.

A study of the means employed by artists to achieve beauty.

- 104, 105, 106. **Interpretative Drawing and Painting.** Autumn, Winter, Spring. M.W.F., 2:00. Two credit hours. Larsen. Composition study in various media.

- 107, 108, 109. **Pictorial Composition.** Autumn, Winter, Spring. M. W. F., 3:00-5:00. Two to five credit hours each quarter. Larsen.

- 111, 112, 113. **Water Color Painting.** Autumn, Winter, Spring. T. Th., 3:00-5:00. Two to four credit hours each quarter. Birrell.

Development of individual expression.

- 114, 115, 116. **Commercial Art.** Autumn Winter, Spring. T. Th., 1:00. Two credit hours each quarter. Jenson.

- 117, 118, 119. **Process Illustration.** Autumn, Winter, Spring. Time to be arranged. Two to four credit hours each quarter. Andrus.

- 120, 121, 122. **Advanced Design.** Autumn, Winter, Spring. T. Th., Time to be arranged. Two to four credit hours each quarter. Birrell.

- 124, 125, 126. **Mural Painting.** Autumn, Winter, Spring. Daily, 9:00. Two to four credit hours each quarter. Andrus.

- 130, 131 132. **Interior Design.** Autumn, Winter, Spring. M. W. F., 11:00. Three credit hours each quarter. Taylor.
136. **Contemporary Art.** Winter. T. Th., 8:00. Two credit hours. Larsen.
Impressionism and Modernist experiments in Europe and America.
137. **American Art.** Spring. T. Th., 8:00. Two credit hours. Larsen. Contemporary American artists and their work.
- 139, 140, 141. **Painting.** Autumn, Winter, Spring. Time to be arranged. One to five credit hours each quarter. Larsen.
- 145, 146, 147. **Portrait and Figure Painting.** Autumn, Winter, Spring. Time to be arranged. Two to four credit hours each quarter. Andrus.
- 148, 149, 150. **Mural Painting.** Autumn, Winter, Spring. Time to be arranged. Two to five credit hours each quarter. Andrus.
- 151, 152, 153. **Color.** Autumn, Winter, Spring. Time to be arranged. Two credit hours each quarter. Larsen and Andrus.
Study of the theory and use of color.
200. **Research.** Autumn, Winter, Spring. Time to be arranged. Credit to be arranged.

Music

Professors Robertson, Jepperson-Madsen, Madsen, De Jong; Associate Professor Halliday; Assistant Professor Hanson; Miss Summerhays, Mr. Buggert, Mr. Keeler, Mr. Booth, Mr. Sardoni, Mr. McAllister, Mr. Nelson, Mr. Fitzroy, Mrs. Packard, Miss Stubbs, Miss Sandberg.

A major in the Department of Music includes the following courses: Theory of Music 11, 12, 13; 21, 22, 23; 61; 71, 72, 73; 81, 82; 84, 85; Piano, three hours; Vocal Culture, three hours and Vocal or Instrumental Ensemble, six hours. Those preparing to teach should also take Theory of Music 90 and 91. These requirements are subject to change where conditions warrant individual consideration.

A minor in the Department of Music should include the following courses: Theory of Music 11, 12, 13; 21, 22, 23; 31; 90 and 91; and some ensemble.

Private courses are indicated by "-p."

THEORY OF MUSIC

Lower Division Courses

1. **Fundamentals of Music.** Autumn, Winter, or Spring. Three credit hours. Keeler.

An introductory course in music fundamentals, especially designed for those who have not had sufficient practical experience in music to meet the prerequisites of other theory of music courses.

- 11, 12, 13. **Solfeggio.** Autumn, Winter, Spring. T. Th. Two credit hours each quarter. Summerhays, Booth.

The study of notation, intervals, diction, and sight-singing.

- 21, 22, 23. **Harmony.** Autumn, Winter, Spring. M. W. F. Three credit hours each quarter. Booth.

Intervals; primary and secondary triads; dominant seventh and ninth chords, diminished seventh chords.

- 24, 25, 26. **Harmony.** Autumn, Winter, Spring. Daily. Five credit hours each quarter. Sardoni.

This course combines the materials of Theory of Music 11 and 21, and is designed especially for music majors and those minors who have had the requisite preparation.

- 31, 32, 33. Appreciation of Music.** Autumn, Winter, Spring. T. Th. Two credit hours each quarter. Madsen.

A non-technical course in music appreciation, especially designed for those who do not major in music.

- 41, 42, 43. Conducting.** Autumn, Winter, Spring. T. Th. Two credit hours each quarter. Madsen.

The principles of instrumental and vocal conducting. Baton technique.

Upper Division Courses

- 61, 62, 63. Solfeggio.** Autumn, Winter, Spring. T. Th. Two credit hours each quarter. Summerhays.

Training in advanced sight-singing. Prerequisite: Theory of Music 13.

- 71, 72, 73. Harmony.** Autumn, Winter, Spring. M. W. F. Three credit hours each quarter. Robertson.

Modulation; secondary seventh and altered chords; non-harmonic tones; form and analysis. Prerequisite: Theory of Music 23, and the equivalent of 3 hours of piano.

- 74, 75, 76. Keyboard Harmony.** Autumn, Winter, Spring. T. Th. Two credit hours each quarter. Keeler.

Harmonization of figured and unfigured bass and of other voices; cadences, sequences, transpositions, modulations, and elementary improvisations at the keyboard. Prerequisite: Theory of Music 23.

- 81, 82, 83. History.** Autumn, Winter, Spring. M. W. F. Three credit hours each quarter. Halliday.

Alien musical systems, ancient and modern. Medieval and modern music.

- 84, 85, 86. Philosophy and Appreciation of Music.** Autumn, Winter, Spring. M. W. Two credit hours each quarter. Madsen.

A technical course principally for music majors. The philosophies of music and musicians, the elements of music, musical structure, composition, and values.

- 87, 88, 89. Directing.** Autumn, Winter, Spring. T. Th. Two credit hours each quarter. Madsen.

The principles of vocal and instrumental directing applied. A course designed for music majors. Prerequisites: Theory of Music 73.

90. **Public School Methods.** Autumn, Winter, or Spring. M. W. F. Three credit hours. McAllister.

Special technique of instruction and materials for the grades; class demonstrations and supervised teaching. Prerequisites: Theory of Music 1, or 11, or the equivalent.

91. **High School Methods.** Autumn, Winter, or Spring. T. Th. Two credit hours. McAllister.

Special technique of instruction and materials for the junior and senior high schools. This course should precede Secondary Education 84.

- 92, 93. **Counterpoint.** Autumn, Winter. T. Th. Two credit hours each quarter. Madsen.

An elementary course in counterpoint.

94. **Composition.** Spring. T. Th. Two credit hours. Madsen.

An elementary course in composition in the smaller forms. Prerequisites: Theory of Music 73, 93.

95. **Instrumentation.** Winter. T. Th. Two credit hours. Halliday.

A practical course for high school teachers and supervisors in arranging for band and orchestra.

- 96, 97, 98. **Orchestra and Band Instruments.** Autumn, Winter, Spring. One or two credit hours each quarter. Bugert, Booth, Sardoni, Stubbs.

For music majors in their junior or senior years. Practical experience with string, woodwind, and brass instruments for prospective high school music teachers.

Graduate Courses

- 111, 112, 113. **Counterpoint.** Autumn, Winter, Spring. Three credit hours each quarter. Robertson.

Modal counterpoint. Prerequisite: Theory of Music 73.

- 114, 115, 116. **Counterpoint and Canon.** Autumn, Winter, Spring. Three credit hours each quarter. Robertson.

Strict and free counterpoint. Double counterpoint. Imitation. The older forms, such as the motet, mass, madrigal. Prerequisite: Theory of Music 113.

121, 122, 123. Harmony. Autumn, Winter, Spring. Three credit hours each quarter. Halliday.

Intensive study of mixed chords and dissonance. Modern harmony. Building of advanced technique. Prerequisite: Theory of Music 113.

131, 132, 133. Instrumentation. Autumn, Winter, Spring. Three credit hours each quarter. Robertson.

Arranging for chamber combinations, string and symphony orchestra. Prerequisite: Theory of Music 73.

161, 162, 163. Fugue. Autumn, Winter, Spring. Three credit hours each quarter. Robertson.

Analysis of fugues, such as those found in the Well-tempered Clavichord. Construction of fugue subjects and fugues. Prerequisites: Theory of Music 116 and 123.

171, 172, 173. Composition. Autumn, Winter, Spring. Three credit hours each quarter. Robertson.

Prerequisites: Theory of Music 116 and 123.

187, 188, 189. Directing. Autumn, Winter, Spring. Two credit hours each quarter. Madsen.

An advanced course in vocal and instrumental directing. Prerequisite: Theory of Music 73.

200. Research for Master's Thesis. Credit to be arranged.

INSTRUMENTAL MUSIC

Lower Division Courses

1, 2, 3, 4, 5, 6. Band. Autumn. Winter. Spring. Daily. One credit hour each quarter. Halliday.

Admission by consent of director.

7, 8, 9, 10, 11, 12. Orchestra. Autumn, Winter, Spring. Daily. One credit hour each quarter. Robertson.

Admission by consent of director.

13, 14, 15, 16, 17, 18. String and Woodwind Ensemble. Autumn, Winter, Spring. Three times each week. One credit hour each quarter. Booth, Buggert.

19, 20, 21, 22, 23, 24. Band Ensemble. Autumn, Winter, Spring. Three times each week. One credit hour each quarter. Halliday.

- 31, 32, 33, 34, 35, 36. -p. **Private Instruction on Standard Instruments.** Autumn, Winter, Spring. Two credit hours each quarter.

Strings: Violin, Viola, Violoncello, Bass. Robertson, Buggert, Sardoni, Stubbs.

Woodwinds: Flute, Oboe, Clarinet, Bassoon, Saxophone. Halliday, Booth, Nelson, Buggert, Sandberg.

Brass: Trumpet, Cornet, French Horn, Trombone, Baritone, Tuba. Buggert, Halliday.

Percussion: Drums and Timpani.

Piano: Nelson, Hanson, Fitzroy, Keeler.

Organ: De Jong, Keeler.

- 37, 38, 39. -p. **Piano Ensemble.** Autumn, Winter, Spring. One credit hour each quarter. Nelson.

The playing of four-hand, six-hand, and eight-hand arrangements.

40. -p. **Piano Pedagogy.** Autumn, Winter, or Spring. One credit hour each quarter. Nelson, Hanson, Fitzroy.

Methods and problems in piano teaching in the elementary grades.

41. **Group Piano Instruction.** Autumn, Winter, or Spring. M. W., or T. Th. 1:00 or 2:00. One credit hour. Hanson.

Class instruction for beginners in keyboard technique and fundamentals of music.

Upper Division Courses

- 51, 52, 53,; 54, 55, 56. **Concert Band.** Autumn, Winter, Spring. Daily. One credit hour each quarter. Halliday.

Admission by consent of director.

- 57, 58, 59; 60, 61, 62. **Symphony Orchestra.** Autumn, Winter, Spring. Daily. One credit hour each quarter. Robertson.

Admission by consent of director.

- 63, 64, 65, 66, 67, 68. **Chamber Music.** Autumn, Winter, Spring. Three times each week. One credit hour each quarter. Booth, Buggert.

- 69, 70, 71; 72, 73, 74. **Band Ensemble.** Autumn, Winter, Spring. Three times each week. One credit hour each quarter. Halliday.

- 81, 82, 83; 84, 85, 86. -p. **Private Instruction on Standard Instruments.** Autumn, Winter, Spring. Two credit hours each quarter.

Strings: Violin, Viola, Violoncello, Bass. Robertson, Buggert, Sardoni, Stubbs.

Woodwinds: Flute, Oboe, Clarinet, Bassoon, Saxophone. Halliday, Booth, Nelson, Buggert, Sandberg.

Brass: Trumpet, Cornet, French Horn, Baritone, Trombone, Tuba. Halliday, Buggert.

Percussion: Drums and Timpani.

Piano: Nelson, Hanson, Fitzroy, Keeler.

Organ: De Jong, Keeler.

90. -p. **Piano Pedagogy.** Spring. One credit hour. Nelson. Methods and problems of piano teaching in the higher grades. Prerequisite: 40 -p.

Graduate Courses

- 131, 132, 133.-p. **Instrumental.** Autumn, Winter, Spring. Two credit hours each quarter. Staff.

Advanced instruction on any of the standard instruments.

VOCAL MUSIC

Lower Division Courses

- 1, 2, 3; 4, 5, 6. **Ladies' Glee Club.** Autumn, Winter, Spring. One credit hour each quarter. Jepperson-Madsen.

Open to inexperienced singers. This course also provides participation in Mixed Chorus.

- 1, 2, 3; 4, 5, 6. **Male Glee Club.** Autumn, Winter, Spring. One credit hour each quarter. Madsen.

Open to inexperienced singers. This course also provides participation in Mixed Chorus.

- 7, 8, 9; 10, 11, 12. **Concert and Opera Chorus.** Autumn, Winter, Spring. One credit hour each quarter. Madsen.

Admission by consent of director.

- 13, 14, 15; 16, 17, 18. **A Capella Chorus.** Autumn, Winter, Spring. One credit hour each quarter. Madsen.
- 31, 32, 33; 34, 35, 36. -p. **Private Instruction In Voice.** Autumn, Winter, Spring. Two credit hours each quarter. Jepperson-Madsen, Madsen, Halliday, Summerhays, Packard, McAllister.
42. **Phonetics.** Autumn or Winter. Three credit hours. deJong. (See Linguistics 42 in Department of Modern and Classical Languages.)

Upper Division Courses

- 51, 52, 53; 54, 55, 56. **Ladies' Glee Club.** Autumn, Winter, Spring. One credit hour each quarter. Jepperson-Madsen.
Admission is by consent of director. Participation in Mixed Chorus is also provided.
- 51, 52, 53; 54, 55, 56. **Male Glee Club.** Autumn, Winter, Spring. One credit hour each quarter. Madsen.
Admission by consent of director. Participation in Mixed Chorus is also provided.
- 57, 58, 59; 60, 61, 62. **Concert and Opera Chorus.** Autumn, Winter, Spring. One credit hour each quarter. Madsen.
Admission by consent of director.
- 63, 64, 65; 66, 67, 68. **A Capella Chorus.** Autumn, Winter, Spring. One credit hour each quarter. Madsen.
- 81, 82, 83, 84, 85, 86, -p. **Private Instruction In Voice.** Autumn, Winter, Spring. Two credit hours each quarter. Jepperson-Madsen, Madsen, Halliday, Summerhays, Packard, McAllister.

Graduate Courses

- 131, 132, 133-p. **Vocal Culture.** Autumn, Winter, Spring. Two credit hours each quarter. Jepperson-Madsen, Madsen, Halliday, Summerhays, Packard, McAllister.
Advanced instruction in vocal culture.

Speech

Professors Pardoe, de Jong, Morley; Assistant Professor Billings, Smith; Mr. Clinger, Mr. Booth, Mr. Ungermann.

Speech majors must have two years in a foreign language. Those who have had two years of foreign language study in an accredited high school take at least the second year in a foreign language in college.

Students may elect to specialize in one of five divisions: Requirements for **Dramatic Art** are Speech 1, 2, 4, 11, 12,

21, 31, 42, 43, 61, 62, 63, 64-p, 71, 73, 77, 78, and 94 or 96.

Requirements for **Public Speaking** are Speech 1, 2, 3, 4, 11, 12, 31, 51, 52, 53, 56-p, 59, 72, 91, and 96.

Requirements for **Play Production** are Speech 1, 11, 12, 13, 21, 22, 23, 42, 43, 65, 71, 72, 73, 74, 76, 77, 78, 91, 94 or 96.

Requirements for **Speech Correction and Science** are Speech 1, 2, 4, 11, 12, 42, 52, 91, 94, 95, 96. Psychology 69, 77; Zoology 65 are recommended.

Requirements for **Radio Broadcasting** are Speech 11, 12, 31, 32, 33, 34, 35, 36, 37, 72, 73, 81, 82, 83; Physics 2, Journalism 21 and Psychology 11. Those who wish to major in Radio Mechanics for radio engineering, consult head of the Physics Department.

It is advisable for all speech students to register for Physics 1, Psychology 11, Psychology 75 and Art 21.

Students minoring in Speech should qualify in the following courses: Speech 1, 2, 4, 11, 12, 51 or 52, 71, 91, and 95.

Speech is one of the subjects comprising the composite major in **Language Arts** designed for prospective teachers.

Lower Division Courses

- *1. **Principles of Speech.** Autumn. Sec. 1, M. W. F., 9:00. Sec. 2, M. W. F., 11:00. Sec. 3, M. W. F., 1:00, Sec. 4, M. W. F., 3:00. Three credit hours. Morley, Clinger.

The elements of speech development of ability in the fundamental processes of speech. The outlining and delivery of short speeches constitute the major portion of this course.

- *Classes in Speech 1, 2, 3, 11, 12, and 13, are limited to twenty members. Assignments are made by Speech Department at Registration.

*2. **Open Forum Discussions.** Winter. Sec. 1, M. W. F., 9:00. Sec. 2 M. W. F., 11:00. Sec. 3, M. W. F., 1:00. Sec. 4, M. W. F., 3:00. Three credit hours. Morley, Clinger.

*3. **Speech Analysis.** Spring. Sec. 1, M. W. F., 9:00. Sec. 2, M. W. F., 11:00. Sec. 3, M. W. F., 1:00. Three credit hours Morley, Clinger.

The study of models of speech composition. Practice in delivery and analysis. Individual needs especially motivated.

*4. **Voice and Diction.** Autumn, Winter, Spring. T. Th., 2:00. Two credit hours. Morley.

A laboratory study and supervised development of good voice and diction. Especially planned for speech majors and prospective teachers.

5p. **Speech Clinic.** Students may enter at any time during the year. Morley.

Corrective treatment of stuttering, stammering, lisping, oral inaccuracy, poor voice and other forms of speech and voice disorders. A thorough diagnosis will be made and treatment organized in accordance with individual needs. Time and fee to be arranged.

*11. **Elementary Speech Problems and Pantomime.** Autumn. Sec. 1, M. T. W. Th., 8:00. Sec. 2, M. T. W. Th., 9:00. Sec. 3, M. T. W. Th., 2:00. Spring, Sec. 4, M. T. W. Th., 10:00. Four credit hours. Pardoe, Ungermann and Staff.

Fundamental principles of speech art, with emphasis on pantomime. Required of all speech majors.

*12. **Basic Voice Problems for Radio and Drama.** Winter. Sec. 1, M. T. W. Th., 8:00; Sec. 2, M. T. W. Th., 9:00; Section 3, M. T. W. Th., 2:00. Four credit hours. Pardoe and Ungermann.

Emphasis on voice for interpretation. Required of all majors.

*13. **Basic Problems of Interpretation.** Spring. Sec. 1, M. T. W. Th., 8:00; Sec. 2, M. T. W. Th., 9:00; Sec. 3, M. T. W. Th., 2:00. Four credit hours. Pardoe and Ungermann.

Special attention is given to the dramatic monologue and soliloquy—interpretation of the printed page.

*21. **Interpretive Literature.** Autumn. Sec. 1, M. W. F., 9:00; Sec. 2, M. W. F., 2:00. Three credit hours. Pardoe and Staff.

Character delineation forms a great portion of this work.

- 22. Dialogue and Scene Presentation.** Winter. M. W. F., 9:00. Sec. 2, M. W. F., 2:00. Three credit hours. Pardoe and Staff.

The great scenes from Shakespeare and classic literature. Character analysis and presentation. Prerequisites: Courses 11, 12, 13.

- 23. Make-up.** Autumn and Spring. T. Th., 3:00. Two credit hours. Ungemann.

Course for drama directors and students of acting.

- 31. Radio Broadcasting.** Autumn, M. W. F., 10:00. Three credit hours. Pardoe.

Elementary problems of microphone techniques.

- 32. Radio Script Writing.** Winter. M. W. F., 10:00. Three credit hours. Pardoe.

Analysis and writing of radio script.

- 33. Radio Production.** Spring. M. W. F., 10:00. Three credit hours. Pardoe.

Studio production of original scripts.

- 34. Radio Sound Effects.** Autumn. T. Th., 10:00. Two credit hours. Staff.

Record and manual effects.

- 35. Studio Organization...** Winter. T. Th., 10:00. Two credit hours. Staff.

Actual radio experience with Station KBYU, IBS affiliation.

- 36. Techniques of Recording and Playback.** Spring. T. Th., 10:00. Two credit hours. Staff.

Wire, tape, and record techniques.

- 37. Radio Newscasting.** Autumn, Winter, Spring. T. Th., 8:00. Two credit hours. Staff.

A study of newswriting style and the elements of news; practice in gathering and writing news stories. (See Journalism 21.)

- 42. Practical Phonetics.** Autumn or Winter. M. W. F., 11:00. Three credit hours. de Jong.

A course prescribed for all majoring in Speech. Given to aid students to acquire a better understanding of English and foreign diction. (See Department of Modern and Classical Languages. Linguistics 42.)

- 43 or 44. Dialects.** Spring. M. W. F., 11:00. Three credit hours. Pardoe.

A study of dialect as an element in interpretation for stage and radio. Scotch, Italian, and Yiddish alternate even years with Cockney, Negro and class choice. French, Italian, Spanish and German proper names receive special attention. Prerequisite: Course 42.

Upper Division Courses

- 51. Advanced Speech Composition.** Autumn. M. W. F., 9:00. Three credit hours. Morley. (Given in even years.)

An intensive study of the organization of advanced forms of public speaking and practical experience in delivery.

- 52. Argument and Debate.** Winter. M. W. F., 9:00. Three credit hours. Morley. (Given in even years.)

A study of the principles of argument followed by a series of debates on current questions. (See English 52.) Prerequisites: English 1, 2, 3; Speech 1, 2.

- 53 History of Theories of Public Speaking.** Spring. M. W. F., 9:00. Three credit hours. Morley.

A comparative study of world oratory. (Given in even years.)

- 54. Advanced Debate.** Winter. One or two credit hours. For such members of the debating squad as can qualify for this course, subject to the approval of the Speech Department and the Debate Council. They must register for the course.

- 55p. Public Speaking.** One credit hour per quarter for each recitation per week. Morley.

An intensive application of principles for advanced students. Time and fee to be arranged.

- 56p. Voice and Speech Improvement.** One credit hour per quarter for each recitation per week. Pardoe, Morley, Ungermann.

An intensive individual course designed to help the student acquire good speech habits and a well modulated voice. Time and fee to be arranged.

- 61. Impersonation.** Autumn. M. T. Th. F., 2:00. Four credit hours. Pardoe.

An advanced course leading to the reading of full programs. Only those who have built a proper voice foundation and who can qualify in Speech 1, 2, 11, 12, 13, and 22, are eligible.

The Mask Club is the laboratory for all performances.

- 62. Program Techniques.** Winter. T. Th., 2:00. Two credit hours. Pardoe.

Repertoire studies for schools, Mutuals, and public gatherings.

- 63. History of Dramatic Arts.** Winter. M. W., 2:00. Two credit hours. Pardoe.

Survey of dramatists and actors.

- 64p. Dramatic Technique.** One credit hour each quarter for each recitation period per week. Pardoe, Ungermann.

An intensive individual course in advanced interpretation. Time and fee to be arranged with instructor.

- 65. Historic Costume and Costume Design.** Winter. M. W. F., 1:00. Three credit hours. Billings.

Historic development of fashion and fashion trends. Costume studies for plays and period designing.

- 71. Play Production.** Autumn and Winter. Daily, 11:00. Three credit hours. Ungermann and Clinger.

For advanced students only. Prerequisites: Speech 11, 12, 13, and 22. Laboratory, College Hall, 4:00.

- 72. Stage Craft.** Spring. Daily, 11:00. Three credit hours. Ungermann.

It is suggested that students take Art 21 as a preparation for this course. Laboratory, College Hall, 4:00.

- 73. Acting.** Spring. Daily, 2:00. Three credit hours. Pardoe.

For advanced students only. Required of all seniors majoring in Speech and Language Arts. Laboratory, College Hall, 4:00.

- 74. Technique of Playwriting.** Autumn. M. W. F., 3:00. Three credit hours. Pardoe. Given in alternate years.

The writing and producing of original plays. with emphasis on western themes.

- 76. Advanced Play Production.** Spring. Daily, 3:00. Three credit hours. Pardoe, Ungermann and Clinger. Prerequisite: Speech 71.

- 77. History of Dramatic Production.** Autumn. T. Th., 2:00. Two credit hours. Ungermann.

The Egyptian, Grecian, and Roman Theatre. A study of the means employed in the theatrical presentations of these periods.

- 78. History of Dramatic Production.** Winter. T. Th., 2:00. Two credit hours. Ungermann.

Medieval and Elizabethan Theatre.

- 81. Advanced Radio Broadcasting.** Winter. M. W. F., 4:00. Three credit hours. Pardoe and Staff.

Educational radio with its use and practices in the school room. Various grade levels in actual broadcast situations.

- 82. Radio Music Appreciation.** Autumn. T. Th. Two credit hours. Booth.

A study and choice of mood and background music in preparation for radio programs.

- 83. Advanced Radio Production.** Winter. M. W. F., 10:00. Laboratory daily. Three credit hours. Pardoe.

Production of College Varieties, IBS and for Commercial broadcasting stations.

- 91. Methods of Teaching Speech.** Autumn. T. Th., 8:00. Two credit hours. Clinger and Staff.

Organization of high school departments of speech. Selection of materials and methods to be employed in speech teaching.

- 94. Speech Correction.** Autumn, Winter. M. W. F., 8:00. Three credit hours. Morley.

A study of the physiology, physics, and neurology of normal speech; the types of abnormal or defective speech; their diagnosis and methods of treatment. The course is a state requirement for elementary teachers.

- 95. Clinical Methods in Speech Correction.** Autumn. Winter. T. Th., 3:00. Two credit hours. Morley.

- 96. Psychology of Speech.** Spring. M. W. F., 8:00. Three credit hours. Morley.

A study of the psychological elements of language and expression. (Given in odd years.)

Study and training in the methods of diagnosis, treatment and use of equipment in speech correction. Hand-

ling of actual cases will form an important part of the course.

- 99. Major Speech Disorders.** Spring. M. W. F. Three credit hours. Morley.

An intensive study of the causes, diagnosis and treatment of the more complex types of speech defects, e. g. stuttering, cleft palate, cerebral palsy, hard of hearing, etc. Experience in clinical management of cases will form part of the course.

Graduate Courses

- 131, 132, 133. Radio Broadcasting.** Autumn, Winter, Spring. M. W. F., 10:00. Three credit hours. Pardoe.

- 135, 136. Studio Organization and Recording.** Winter and Spring. T. Th. Two credit hours. Staff.

- 143 or 144. Dialect Research.** Spring. M. W. F., 11:00. Laboratory, two hours per week. Three credit hours. Pardoe.

Prerequisite: Speech 42.

- 151. Advanced Speech Composition.** Autumn. M. W. F., 9:00. Three credit hours. Morley. (Given in even years.)

An intensive study of the organization of advanced forms of public speaking and practical experience in their delivery. Each student will make an individual study of an eminent orator.

- 152. Argument and Debate.** Winter. M. W. F., 9:00. Three credit hours. Morley. (Given in even years.)

Advanced study of principles of argument and experience in their use by applying them in a series of debates on current questions. An individual study of some phases of argument or logic will be required. Prerequisites: English 1, 2, 3, and Speech 1 and 2.

- 153. History of Public Speaking.** Spring. M. W. F., 9:00. Three credit hours. (Given in alternate years.) Morley.

A comparative study of world oratory.

- 161. Advanced Impersonation.** Autumn, M. T. Th., 2:00. Four credit hours. Pardoe.

- 171. Play Production.** Autumn and Winter. Daily, 11:00. Three credit hours. Ungermann.

- 172. Stage Craft.** Spring. Daily, 11:00. Three credit hours. Pardoe, Ungermann.
- 173. Acting.** Spring. Daily, 2:00. Three credit hours. Pardoe.
- 174. Technique of Playwriting.** Autumn. M. W. F., 3:00. Three credit hours.
The writing and producing of original plays. (Given in alternate years.)
- 177. History of Dramatic Production.** Winter. T. Th., 2:00. Two credit hours. Ungermann.
Ancient history of dramatic production. (Given in odd years.)
- 178. History of Dramatic Production.** Winter. T. Th., 2:00. Two credit hours. Ungermann.
Oriental, Medieval, and Elizabethan. (Given in odd years.)
- 180. History of Dramatic Arts.** Winter. T. Th., 2:00. Two credit hours. Pardoe. (Given in odd years.)
- 181. Seminar in Radio.** Time and place to be arranged. One to three credit hours. Pardoe.
- 183. Radio Production.** Winter. M. W. F., 10:00. Laboratory daily. Three credit hours. Pardoe.
Direction of undergraduate programs.
- 191. Methods of Teaching Speech.** Autumn. T. Th., 8:00. Two credit hours. Clinger.
- 194. Speech Correction.** Autumn. Winter. M. W. F., 8:00. Two credit hours. Morley.
An advanced study of the nature, causes, and treatment of all types of speech disorders. An individual research problem required.
- 195. Clinical Methods in Speech Correction.** Autumn, Winter T. Th., 3:00. Two credit hours. Morley.
Study and training in the methods of diagnosis, treatment and use of equipment in the modern speech clinic. Work with cases will form important part of the work. Students will make an individual study of some important clinical problems.

196. **Psychology of Speech.** Spring. M. W. F., 9:00. Three credit hours. Morley.

A study of the psychological elements of language and expression.

197. **Seminar in Speech Science.** Time and place to be arranged. One or two credit hours. Morley.

198. **Seminar in Public Speaking, Dramatic Arts or Radio.** Time and place to be arranged. One to three credit hours. Pardoe.

199. **Major Speech Disorders.** Spring. M. W. F., Three credit hours. Morley.

An intensive study of the causes, diagnosis and treatment of the more complex speech disorders will be made. A research problem in the field will be required. Clinical experience will form part of the course.

200. **Thesis.** Three to five credit hours. Time to be arranged. Pardoe, Morley.

Individual research upon a problem of importance to speech. Ability to conduct experiments necessary. Subject must be submitted for work during at least three quarters.

Division of Religion

*This Division is under the immediate direction of the
President of the University.*

It has always been the view of the Church that there was involved in the training of its youth a proper blending of religious and moral values with secular knowledge. From its inception, the institution has therefore offered courses in religion in the belief that no life is full and complete unless it is established on a firm religious and ethical basis.

The Division of Religion supervises all religious instruction and is responsible for the development and the carrying on of the religious activities program of the University.

The following departments are at present organized: (1) Theology and Religious Philosophy; (2) Church History; (3) Church Organization and Administration; and (4) Bible and Modern Scripture. Through these Departments every student in the University is given opportunity for Religious study. All students are required to register for Religion.

Students in any college of the University who complete thirty-four hours of Religion, which must include at least four hours in each department in the Division of Religion, may receive a special certificate for such accomplishment. The Master's degree is now offered in this field. Arrangements are now being made for the offering of the Doctor's degree. Students interested in graduate work in Religion should write to the Division of Religion, Brigham Young University, for special information.

DEPARTMENTS OF INSTRUCTION

Professors Sessions, Sperry, Swensen, Eyring, Cummings, F. J. Madsen, Martin, Pardoe, de Jong, Hansen, F. Madsen, Lambert, Hart, Hales, Nicholes, Law, H. T. Christensen, Morley, Ballif; Associate Professors Sudweeks, Broadbent, Anderson, Brown, Lee; Assistant Professors Cheney, Jake-man, Smith, Valentine, J. R. Clark III, Wallace, Romney, Rogers, Nibley; Mr. James R. Clark, Mr. Rice, Mr. Crandall, Mr. J. G. Taylor

Courses which are starred (*) or their equivalent are required.

Theology and Religious Philosophy

Professor Sessions

Lower Division Courses

- *11. Social and Religious Teachings of Jesus.** Autumn, Winter, or Spring. Two credit hours. R. Swensen, Eyring, Rogers, Wallace, G. Taylor.

A study of the social and religious teachings of Jesus with special emphasis on the Sermon on the Mount in the light of the present day application.

- *21. The Principles and Doctrines of Mormonism.** Autumn, Winter, or Spring. Two credit hours. de Jong, Law, Crandall.

A study of the basic principles and doctrines of the Church of Jesus Christ of Latter-Day Saints. The nature of religion, the Latter-day Saint concept of God, of Christ, and of man, and the ways of developing Divine-human relationships are considered.

- *22. Mormonism in Thought and Practice.** Autumn, Winter, or Spring. Two credit hours. Morley, Anderson.

Consideration is given to the first principles and ordinances of the Gospel of Jesus Christ; the place and function of ordinances in the Church and their application to the Mormon way of life.

- 23. Joseph Smith and the Restored Gospel.** Autumn, Winter, Spring. Two credit hours. Sessions, Cummings, Valentine, J. R. Clark III, O. Smith.

The restoration of the Gospel and the founding of the Church of Jesus Christ and the need of the restoration constitute the first part of the course. This is followed by a study of Joseph Smith, the revealer and Prophet, the new scripture he brought forth, and the Church he established.

Upper Division Courses

- 75. Priesthood and Church Government.** Autumn. M. W., 8:00. Two credit hours. Sessions.

In this course the student will be led to see and appreciate Divine administration in every dispensation of the Gospel. The powers, authorities, and functions of the Priesthood; its organization and its importance in Church government, will be studied.

- 76, 77. The Principles, Doctrine, and Philosophy of the Church of Jesus Christ of Latter-day Saints.** Winter, Spring. T. Th., 9:00. Two credit hours each quarter. Sessions.

This course will deal with the distinctive doctrines and principles of the Restored Gospel of Jesus Christ. It is an advanced course and will be adapted to students who have had seminary work or courses 21 and 23 of this department or their equivalent.

- 78. The Principles of Genealogy and Temple Work.** Autumn or Winter. T. Th., 9:00. Two credit hours. Sudweeks.

Principal topics: genealogy in plan of salvation, mission of Elijah, relationship, research, pedigree, family and temple records, Genealogical Society of Utah, church ordinances, marriage, and temple work. Class trip to office of Genealogical Society.

- 79. Current Christian Thinking.** Autumn. Time to be arranged. Sessions.

The problems presented to the Christian Churches through the World War will be discussed. The stresses, sufferings, anxieties, and frustrations of mankind today

force serious responsibility upon religious leaders. Through a study of the current literature, an attempt will be made to ascertain contemporary thoughts and trends in theology and religious leadership.

- 81. The Inter-relationship of Science and Religion.** Autumn, Winter, or Spring. T. Th., 11:00. Two credit hours. Hansen.

A survey of the major fields of science as they contribute to or are related to the major concepts in religion. "Religion and science are inextricably indebted to each other."

- 82. Seminar.** Autumn, Winter, or Spring. Time and credit to be arranged. Staff.

Intended for seniors and advanced students who wish to pursue special work in theology.

Church History

Professor R. Swensen

- *85, 86. Latter-day Saint Church History.** Autumn, Winter. T. Th., 9:00. Two credit hours. Nicholes, Nibley, James R. Clark.

A history of the Church with a progressive study of the development of its institutions, beliefs, doctrines and religious practices in relation to their social and historical setting.

- 87. Biographies of Great Latter-day Saint Leaders.** T. Th., 11:00. Two credit hours. R. Swensen.

A study of the biographies of Joseph Smith, Brigham Young, and other great leaders of the Latter-day Saints. Sketches of their lives, background, distinctive characteristics, and important contributions to the Church.

- *88. Survey of Church History.** Autumn, Winter, or Spring. T. Th. Two credit hours. James R. Clark.

A survey of the rise of the Christian church from the time of the Apostles of Christ to the 19th Century, and a study of the Latter-day Saints Church and its relation to its ecclesiastical predecessors.

- 89. Builders of Early Christianity.** Spring. T. Th., 8:00. Swensen.

A study of the outstanding leaders in the early Christian Church from the Apostles down to Augustine in 400 A. D.

- *90. **World Religions.** Autumn or Spring. T. Th., 9:00. Two credit hours. Nibley.

A survey of the major religions of the world. Christianity will be emphasized.

- 92, 93. **Comparative Christian Religions.** Autumn, Winter. T. Th., 11:00. Two credit hours. Swensen.

A comparative study of contemporary Christian religions, their historical growth, famous leaders, theological creeds, church organizations, and present day trends.

Church Organization and Administration

- *13T. **Social Relations of College Students.** ("Courtship and Marriage.") Autumn, Winter, or Spring. Two credit hours. Ballif, Christensen, Romney, Broadbent.

A consideration of problems of college students as they relate to courtship, marriage, and homemaking. Designed to assist students in the discovery of personal, social, and religious resources which may be used in successful family life.

- 41T. **Missionary Training and Methods.** Autumn, Winter, or Spring. Two credit hours. Sessions. Time to be arranged.

Methods in missionary work of the L. D. S. Church. Consideration will be given to the history of Christian missions and comparative methods of approach.

- 42T. **Methods in Religious Education.** Winter. T. Th., 10:00. Two credit hours. Law.

This course is designed to meet the demand for a church teacher training course in the lower division of the university for college students who may be either prospective or present day teachers in the church organizations. The

course will include the essential material recommended for teacher training courses throughout the church.

Upper Division Courses

- 61T. **Methods of Genealogical Research.** Spring. T. Th., 9:00. Two credit hours. Sudweeks.

A study of sources and methods. Research on each

student's ancestral lines. Guidance on individual research problems. Acquaintance with library of Genealogical Society of Utah, and with genealogical section of B. Y. U. library. Prerequisite: the first course in genealogy, or consent of instructor.

63T. Scout Leadership Training Course. T. Th., 10:00. Doman.

A study of the Fundamentals of the Boy Scout movement and basic training of leaders for Scouting in the L. D. S. Church.

67T. Religious Drama. Winter. T. Th., 9:00. Two credit hours. Pardoe.

A study and practice of the forms and functions of drama in promoting the religious message.

68T. Religious Pageantry. Spring. T. Th., 9:00. Two credit hours. Pardoe.

A study and production of religious pageantry and its place in promoting a religious message.

69T. Sacred Music: Appreciation and Conducting. Autumn or Spring. T. Th., 9:00. Two credit hours. F. Madsen.

The place and influence of music in religion and worship. A study of its history and appreciation will be made. Students will be given instruction and practice in conducting.

72T. Methods in Religious Education. Winter. T. Th., 9:00. Two credit hours. Law.

A consideration of the religious growth of children and adolescents, and a study of appropriate methods in their religious teachings.

73T. Methods in Religious Education. (Recreational Leadership.) Autumn, T. Th., 9:00. Two credit hours. Hart.

This course is given to meet the needs of community, church, and school recreation leaders. Open to juniors and seniors. By permission of instructors.

75T. Methods in Religious Education. Spring. T. Th., 9:00. Two credit hours. Staff.

A study of the religious growth of adults and children. Special emphasis is given to religious teaching in Church organizations and in the home.

76T. The Curriculum of Religious Education. Two credit hours. Staff.

The theory and practice of curriculum construction. A study of various types of curricula. The course will deal with a study of present curricula in the teaching organization of the church with a consideration of fundamental principles for future development.

78T. Methods of Religious Education. Winter. M. F., 3:00. Two credit hours. Law, Sessions.

Practice in teaching in Church organizations. After a study of methods in religious education, students will be assigned to local ward organizations under supervision, where they may do practice teaching in religion. (Registration by consent of instructor.)

80T. Problems of Leadership Preparation in the Church. Autumn, Winter, or Spring. T. Th., 11:00. Two credit hours. Lloyd.

***81T. L. D. S. Church Organizations and Administration.** Winter. T. Th., 9:00. Two credit hours. Staff.

A study of the pattern of general and local church organization. Special attention will be given to the administrative functions of the priesthood and the various auxiliary associations in the stakes and missions of the Church. Consideration will be given to the worship service and to making it effective as an instrument of religious devotion.

87T. Methods in Character Education. Winter. M. W. F., 11:00. Three credit hours. Lloyd. (Not given this year.)

A study of the methods and techniques of character education that are now used in the United States, and a critical evaluation of results. Special emphasis will be given to the place of religion in the development of character.

Bible and Modern Scripture

Professor Sperry.

OLD TESTAMENT

Upper Division Courses

***51. An Introduction to the Old Testament.** Autumn, Winter,

or Spring. Sec. 1, T. Th., 9:00. Two credit hours each quarter. Sperry. Sec. 2, T. Th., 9:00. Martin. Sec. 3 Jake-man.

This course deals with the literary problems and structure of the Old Testament, emphasis being given to its religious content. An attempt is made to show that Israel's leaders have a vital religious message to the world of today.

- 52. The Manners and Customs of the Hebrews.** Autumn. T. Th., 11:00. Two credit hours. Sperry.

This course will deal with the psychology and social background of the Hebrew people, their towns, cities, pastoral life, trades and professions, their family life, etc. Throughout the course constant reference is made to the Old Testament.

- 54. The Prophets and Israel's Culture.** Spring. T. Th., 11:00. Two credit hours. Sperry.

In this course the rise of Israel's religion is considered and special attention is given to the religious, social, and cultural aspects of the more important prophetic books.

- *56. The Message of the Twelve Prophets.** Autumn. M. W., 11:00. Two credit hours. Sperry.

In this course a careful study is made of the twelve minor prophets. The times and teachings of each prophet are emphasized and an attempt is made wherever possible to relate their teachings to the needs of our own day.

NEW TESTAMENT

Lower Division Course

- *12. The Religion and Literature of the Apostolic Age.** Autumn, Winter, or Spring. Two credit hours. Swensen, Sessions, Lee, Rice, Cheney.

This is a study of the historical situations and problems in the early Christian church which impelled various authors to write the books of our New Testament. It deals also with the distinctive religious teachings and literary qualities of the New Testament writings.

Upper Division Courses

- 61. The Life and Letters of Paul.** Autumn. T. Th., 9:00. Two credit hours. Sessions.

A course in the life, and distinctive teachings of Paul. His cultural background in both its Greek and Hebrew aspects are studied. His missionary work and accomplishments are dealt with.

62. **The Life of Jesus.** Spring. T. Th., 9:0. Two credit hours. Swensen.

A study of the life, career, and basic teachings of Jesus. It deals with the historical conditions in Palestine, the various social, economic, and religious problems which Jesus faced. His distinctive traits, character, personality, etc., as reflected in the Gospels are studied.

63. **The History and Interpretation of the New Testament.** Spring. T. Th., 11:00. Two credit hours. Swensen.

A course dealing with the portions of the New Testament which are not treated in the courses above and interpretation of these portions during the various periods from ancient to modern times. The literary and religious influence upon modern society is also stressed.

MODERN SCRIPTURE

- *65. **The Book of Mormon.** Autumn, Winter, or Spring. T. Th., 9:00. Two credit hours. Sperry, Jakeman.

This course deals with the coming forth of the Book of Mormon, its content and teachings.

67. **An Analysis of the Book of Mormon.** Winter. M. W. 11:00. Two credit hours each quarter. Sperry.

This is an advanced course giving a general introduction to the problems and teachings of the Nephite sacred literature.

- *68. **The Doctrine and Covenants and The Pearl of Great Price.** Spring. T. Th., 8:00. Two credit hours. Sperry.

A careful study is made of the circumstances under which each of these scriptures came forth. The main doctrines and teachings of each are then stressed.

- 70, 71. **The Doctrine and Covenants.** Autumn and Winter. T. Th., 9:00. Two credit hours each quarter. Lambert.

A study of the situations which brought forth the revelations contained in the Doctrine and Covenants, and a consideration of their content.

- 72. Departmental Seminar.** Autumn, Winter or Spring. Time and credit to be arranged. Staff.

Intended for seniors or other advanced students, who may be admitted by permission of the instructors.

BIBLICAL LANGUAGES

The following courses in Biblical Languages are offered. They carry religious credit and fulfill the language requirements for the A. B. degree.

- 51H, 52H, 53H. Elementary Hebrew.** Autumn, Winter, Spring. Daily, 1:00. Five credit hours each quarter. Sperry.

The elements of Hebrew grammar are thoroughly treated. Several elementary Hebrew books are read, followed by intensive drill in the Old Testament.

- 54H, 55H, 56H. Intermediate Hebrew.** Autumn, Winter, Spring. M. W. F., 10:00. Three credit hours each quarter. Sperry.

Advanced grammar and readings from Genesis, Deuteronomy, Samuel, Kings, and certain of the Minor Prophets.

- 64H, 65H, 66H. Advanced Hebrew.** Autumn, Winter, Spring. T. Th. Time to be arranged. Two credit hours each quarter. Sperry.

This course consists of Hebrew syntax and selected readings from the Prophets and the Hebrew Wisdom Literature.

SYRIAC

- 51R, 52R, 53R. Elementary Syriac.** Autumn, Winter, Spring. T. Th., 2:00. Two credit hours each quarter. Sperry.

Elements of grammar and readings from the Syriac New Testament. Hebrew 51, 52, 53, are prerequisites to these courses.

- 54R, 55R, 56R. Intermediate Syriac.** Autumn, Winter, Spring. Th. One credit hour each quarter. Sperry. (Time to be arranged.)

Advanced grammar and readings from the Syriac Old and New Testaments and other church literature.

Note: For Aramaic and Akkadian see under **Semitics**.

GREEK

51G, 52G, 53G. Elementary Greek. Autumn, Winter, Spring. M. W. F., 1:00. Three credit hours each quarter. Swensen. (Time to be arranged.)

Courses in the study of New Testament Greek. They are especially designed for those who are majoring in religion and linguistics to give reading experience in the Greek New Testament and Greek papyrus.

54G, 55G, 56G. Intermediate Greek. Autumn, Winter, Spring. Time to be arranged. Three credit hours each quarter Swensen.

Readings and translations from the Greek New Testament and Xenophon.

57G, 58G, 59G. Elementary Modern Greek. Autumn, Winter, Spring. Time to be arranged. Three credit hours each quarter. Swensen.

A course in Modern Greek. A study of Greek as a living language with diversified graded readings and elementary grammar.

60G, 61G, 62G. Intermediate Modern Greek. Autumn, Winter, Spring. Time to be arranged. Three credit hours each quarter. Swensen.

Advanced readings in Modern Greek literature.

Archaeology

The following courses in Archaeology are offered. They carry credit in either Religion or Archaeology.

53. The Archaeology of the Old Testament. Winter. T. Th., 11:00. Two credit hours. Sperry.

The most important archaeological discoveries of modern times and their bearing on the history, literature, and religion of the Old Testament are considered in this course.

66. American Archaeology and the Book of Mormon. Autumn or Spring. T. Th., 10:00. Two credit hours. Jakeman.
An introduction to modern scientific research in the ori-

gins, history, and civilizations of the ancient "Indian" peoples of the New World, with emphasis on the latest findings and their bearing on the major historical and archaeological claims of the Book of Mormon.

- 69. Ancient Civilizations of Middle America and the Andes.** Spring. T. Th., 3:00. Two credit hours. Jakeman.

The archaeology or ancient history of Mexico, Central America, and Andean South America, with special attention to the early "Archaic" peoples, the classical Maya, Toltec, and Tiahuanaco civilizations, and the empires of the Aztecs and the Incas.

- 72. Departmental Seminar. Archaeology.** Autumn. Time to be arranged. Jakeman.

Problems and methods in historical archaeology.

Graduate Courses

(See courses numbered 153, 166, 1*9, 172, 174, 193, and 200 in following section.)

GRADUATE WORK IN RELIGION

Candidates for the master's degree in Religion are required to choose a major professor who is a member of the graduate staff in religion.

All applicants for this degree are expected to complete a course in thesis writing.

- 151. An introduction to the Old Testament.** Literary problems and structure of the Old Testament. Sperry.

(See 53.)

- 154. The Prophets and Israel's Culture.** Rise of Israel's religion. Social and cultural aspects of the prophetic books. Sperry.

- 161. Life and Letters of the Apostle Paul.** Sessions.

- 162. Life of Jesus.** The life, career, and basic teachings of Jesus. Swensen.

- 163. History and Interpretation of the New Testament.** Swen-

- 166. American Archaeology and the Book of Mormon.** Jakeman. (See 66.)

167. **An Analysis of the Book of Mormon.** Sperry.
169. **Ancient Civilizations of Middle America and the Andes.** Jakeman. (See 69.)
- 170, 171. **The Doctrine and Covenants.** Lambert.
172. **Departmental Seminar.** Staff.
Biblical Languages. Sperry and Swensen. All courses listed in the Biblical Languages are acceptable for graduate credit.
Archaeology Jakeman. (See 72).
174. **Field Archaeology.** Sperry and Jakeman.
- 176, 177. **Principles, Doctrines, and Philosophy of the Church of Jesus Christ of Latter-day Saints.** Sessions.
181. **The Inter-relationships of Science and Religion.** Interpretation of scientific concepts in their relation to religious problems. G. Hansen.
183. **Advanced Readings in Archaeology.** Any quarter. One to six credit hours; no more than two hours any quarter. Jakeman.
- 185, 186. **Latter-day Saint Church History.** Nicholes.
189. **Builders of Early Christianity.** Christian leaders from the Apostles to Augustine. Swensen.
191. **World Religions.** Survey of the major religions of the world. Lloyd.
- 192, 193. **Comparative Christian Religions.** Swensen.
200. **Research for Master's Thesis.** Time and credit to be arranged. Staff.
- 172T. **Methods in Religious Education.** Religious growth and teachings of adolescence. Lloyd.
- 176T. **The Curriculum of Religious Education.** Lloyd.
- 181T. **Latter-day Saint Church Organization and Administration.** Lloyd.
- 187T. **Method in Character Education.** Lloyd.
- 188T. **Seminar in Religious Education.** Staff.

Extension Division

Home Study Faculty*

Howard S. McDonald, President.
 Thomas L. Broadbent, Acting Director.
 Afton Hawker, Clerk
 Christen Jensen, History and Political Science.
 Amos N. Merrill, Secondary Education.
 Thomas L. Martin, Agronomy and Bacteriology.
 Gerrit de Jong, Jr., Modern Languages.
 M. Wilford Poulson, Psychology.
 Vasco M. Tanner, Zoology
 George H. Hansen, Geology and Geography.
 Harrison V. Hoyt, Accounting.
 Elmer Miller, Economics.
 Milton Marshall, Physics, Mathematics.
 A. C. Lambert, Educational Administration.
 Effie Warnick, Home Economics.
 Hermese Peterson, Elementary Education.
 Charles J. Hart, Physical Education.
 Wayne B. Hales, Physics and Mathematics.
 H. Grant Ivins, Animal Husbandry, Religion.
 Bertrand F. Harrison, Botany.
 Sidney B. Sperry, History, Religious Education.
 Wesley P. Lloyd, Philosophy of Education and Guidance.
 J. Wyle Sessions, Religious Education.
 Karl E. Young, English, Grammar.
 Harold T. Christensen, Sociology.
 Alonzo J. Morley, Speech.
 Russel Swensen, Religious Education.
 Edgar M. Jenson, Art.
 Elsie C. Carroll, English Literature.
 Clarence Tyndall, Director of Bureau of Visual Instruction.

* This list includes only principal administrative officers and faculty members who teach courses offered in Home Study (correspondence). For Extension Classes, many more faculty members are available if sufficiently large groups ask for their services. Thus most of the courses taught in residence are available as Extension classes if demand justifies.

Irene S. Barlow, Home Economics.
Stella P. Rich, English.
Lynn Hayward, Zoology.
John R. Halliday, Music.
Ariel S. Ballif, Sociology.
John E. Hayes, Registrar.
Kiefer B. Sauls, Secretary-Treasurer.
Verla L. Birrell, Art.
Ralph A. Britsch, English Composition.
Anna B. Hart, High School English.
Julia Caine, Social Science.
Oliver R. Smith, Journalism
Lucile Spencer, Secretarial Practice.
Dean Peterson, Secretarial Practice.
Ernest Reimschiessel, Landscape Architecture
Melbourne D. Wallace, Agronomy.
J. Reuben Clark III, French
Lee B. Valentine, Spanish.

Special Instructors

Mrs. Christen Jensen, English Literature.
J. F. Wakefield, Apiculture.
Rulon Doman, Scouting.

Home Study Service

Since the organization of Brigham Young University Extension Division in 1921, formal instruction by home study and extension classes has been given to many thousands of indi-

viduals. Other thousands have received instruction through Leadership Institutes, including the annual Leadership Week of the University, and through lectures by members of the faculty, club programs, and other services.

The Extension Division offers correspondence work, among other services, to aid in enlarging the educational horizons of the many people who cannot take standard college work in residence. It is the desire of the Extension Division to assist anyone, anywhere, to continue his or her education.

Supervised individual instruction from highly-trained instructors has definite advantages to the correspondence student, but perhaps the greatest advantages come through the serious application and independent thinking the student must contribute to the completing of his course. His success in the work depends largely upon his own initiative and eagerness for knowledge, and upon his personal standards of the quality of the work he is doing.

B. Y. U. Nationally Accredited

Brigham Young University, founded and endowed in 1875 by Brigham Young, is a standard American university. It is on the approved list of the Association of American Universities, Association of American Colleges, the American Council on Education, the Northwest Association of Secondary and Higher Schools, and the National Organization of Associated Women Students. The Extension Division is a member of the National University Extension Association and of the American Association for Adult Education.

Cost of Extension Work

The fee for any college course is \$2.50 per quarter hour, payable at the time of enrollment. The fee for a high school course is \$11.00. This fee is subject to change without notice.

The student must secure the required textbooks for any courses taken. They may be purchased from B. Y. U. Student Supply Association or ordered direct from the publisher.

Supplementary reference books are available at the Brigham Young University Library and may be borrowed for a period of two weeks. For this service, address The Librarian, Brigham Young University. On borrowed books, students pay postage both ways.

The Extension Division pays postage on material sent to the student. The student pays postage on material sent to the Extension Division.

Methods of Correspondence Instruction

With few exceptions, each home study course carries credit equivalent to the corresponding course in residence and therefore will cover the same amount of work. Most of the courses contemplate the student's doing about five assignments for each quarter hour of credit received.

After filing application for enrollment and paying the fee, the student is sent the assignments. He receives full instructions as to required reading and the preparing of his lessons, including questions to test his knowledge of the material.

When a lesson is completed, the papers are to be mailed to the Extension Division, Brigham Young University, Provo, Utah. The lessons are checked and graded by the designated instructor, and returned to the student.

Eligibility

A student may begin correspondence work (for credit) if he has met, or can meet, the entrance requirements of Brigham Young University as designated in the general catalogue, and if he is not regularly enrolled in residence work. (Students carrying residence work must have the signed approval of their dean, if they wish to enroll for correspondence classes.) A mature student may take correspondence work provided he can do the work satisfactorily, but the credit will not apply toward a degree until entrance requirements to the University are met. High school units of credit are available in some subjects, but enrollees (of high school age) must send with their applications a letter from the principal, stating the reasons why such credits should be earned in correspondence, and giving signed approval.

Regulations

1. A total of 45 hours may be earned in extension and correspondence classes, to apply toward the 186 required for graduation from this University.

2. No graduate credit can be earned in correspondence courses.

3. A student may begin at any time a course for which he is eligible, and should aim to complete the course within a year from the time he enrolls.

4. Students should distribute reports with approximate regularity throughout the period of study. Each assignment is intended to cover about a week's work (one hour per day).

5. Even with special permission a student may complete no more than four credit hours per month, by home study.

6. A student may not take correspondence or extension classes while doing residence work, without the consent of his dean. Provided his total hours amount to more than sixteen, he must submit a petition to the petitions committee, for the extra credit.

7. A student who does not report either by lesson or by letter within a period of ninety days forfeits his right to further instruction in the course and will be allowed to take up the work again only upon payment of a \$2.50 reinstatement fee.

8. Unless otherwise stated, examinations are required in all courses before credit is given. These examinations must be supervised by a responsible school official. Where it is convenient, the examination should be taken at the Extension Division, Room 304, Brimhall Building, B. Y. U.

9. A transfer is possible from one course to another, if no work has been done, but after an enrollment is completed all fees are deposited with the treasurer and **NO REFUNDS WILL BE ALLOWED.**

10. Prompt responses by both students and instructors are expected, and are necessary for successful correspondence study. The Extension Division will appreciate receiving work at regular intervals and explanations for any necessary delays.

Other Extension Services

In addition to correspondence and extension classes, the Extension Division offers the following services:

1. **Visual Aids Service.** The Extension Division maintains a Bureau of Visual Instruction library of 16-millimeter sound and silent motion pictures, 35-millimeter film strips, and glass

slides. Illustrative material for practically every course in the usual curriculum is available. During the 1945-46 school year approximately 35,000 students ranging from kindergarten to college grade regularly viewed educational pictures from the Bureau and many hundreds of others attended occasional showings. It is found that the proper use of visual aids in instruction leads to a measurable increase in learning. The above-mentioned aids may be borrowed by schools and other non-theatrical organizations. A catalog listing the materials available, rules under which they may be borrowed, and service fees, will be sent upon request.

2. Leadership Institutes. In addition to the general Leadership Week held each year at the University, members of the faculty sometimes go into communities and hold local institutes. With the cooperation of the University, and of the L. D. S. stakes concerned, Leadership Weeks are now held annually in several other regions of the West.

3. Lyceum and Lecture Courses. Professional lyceum numbers in music, drama, and lecture are available at nominal charges. Where communities desire, they may secure a series of lectures by members of the faculty on a variety of subjects. A lecture course of eight or ten numbers is recommended to commercial clubs, school districts, and other civic or religious groups.

4. Free Lecture and Entertainment Service. Within reasonable distance from Provo, student groups may be secured for the payment of expenses. High schools, ward organizations, civic clubs, and others have availed themselves of this opportunity in the past.

Home Study (Correspondence) Courses

Agronomy

41x. Soils. Three credit hours. Martin.

94x. History of Agriculture. Three credit hours. Wallace.

99x. Agricultural Literature. Credit to be arranged. Martin.

Animal Husbandry

2x. History of Breeds of Livestock. Five credit hours. Ivins.

8x. Practical Poultry Farming. Three credit hours. Ivins.

Art

42x. Normal Art. Three credit hours. Jenson.

83x, 84x. Art History and Appreciation. Two credit hours each unit. Birrell.

Bacteriology

21x. General Bacteriology. Three credit hours. Martin.

73x. Bacteriology and Sanitary Science. Three credit hours. Martin.

Botany

3x. Classification of Plants. Five credit hours. Harrison.

COMMERCE

64x. Business Psychology. Four credit hours. Poulson.

75x. Principles of Statistics. Three credit hours. Hoyt.

Economics

1x. Introduction to Economics. Five credit hours. Miller.

14x. Economic and Financial History of the United States. Three credit hours. Miller.

93x. Economic History of Agriculture. Three credit hours. Martin.

Finance and Banking

14x. Economic and Financial History of the United States.
(See Economics 14.)

Marketing

30x. Geography of Economic Products. (See Geography 23x.)
Coffman.

Secretarial Practice

- 11x, 12x. **Shorthand.** Four credit hours each course. Spencer.
57x. **Business Correspondence.** Three credit hours. Peterson.

EDUCATION

- 50x. **(Secondary or Elementary) Principles of Education.**
Four credit hours. Lloyd.
57x. **Safety Education.** Two credit hours. Hart.

Educational Administration

- 90x. **Youth and Its Leadership.** Five credit hours. Lambert.
93x. **Organization and Administration of Public Schools.**
Three credit hours. Lambert.

Elementary Education

- 50x. **Principles of Education.** Four credit hours. Lloyd.
58x. **Hygiene and Sanitation.** Three credit hours. Hayward.

Philosophy of Education

- 51x. **History of Education.** Three credit hours. Lloyd.
74x. **Rural Sociology.** (See Sociology 53). Three credit hours.
Ballif.
87x. **Methods in Character Education.** Four credit hours.
Lloyd.

Secondary Education

- 50x. **Principles of Education.** Four credit hours. Lloyd.
94x. **Educational Guidance and Personnel.** Three credit hours.
Merrill.
97x. **Articulation of School Units.** Three credit hours. Merrill.

English

- 1x. Composition and Literature.** Three credit hours. Britsch.
- 2x. Composition and Literature.** Continuation of Course 1. Britsch.
- 3x. Composition and Literature.** Continuation of Course 2. Britsch.
- 11x. Advanced English Grammar.** Four credit hours. Young.
- 16x, 17x, 18x. American Literature.** Six credit hours. Mrs. Christen Jensen.
- 20x, 21x, 22x. Masterpieces of English Literature.** Two credit hours each course. Carroll.
- 21x, 22x, 23x. Survey of English Literature.** Three credit hours each course. Mrs. Jensen.
- 50x, 51x, 52x. Readings in World Literature.** Two credit hours each course. Mrs. Jensen.
- 53x, 54x, 55x. Readings in World Literature.** Two credit hours each course. Mrs. Jensen.
- 58. The Modern Short Story.** Three credit hours. Mrs. Jensen.
- 63x. Modern American Drama.** Three credit hours. Rich.
- 64x. World Literature for Children.** Five credit hours. Mrs. Jensen.
- 69x. Literature of the English Bible.** Three or six credit hours. Mrs. Jensen.

Geology and Geography

- 1x. Survey Course.** Four credit hours. Hansen.
- 16x. Descriptive Astronomy.** Four credit hours. Hales. (See Physics 16.)
- 21x. Weather and Climate.** Five credit hours. Hales. (See Physics 21.)
- 22x. Introductory Geography.** Five credit hours. Coffman.
- 23x. Geography of Economic Products.** Five credit hours. Coffman.

52x. Human Geography. Three credit hours. Hansen.

70x. Political Geography. Five credit hours. Coffman.

History

1x. History of Civilization. Five credit hours.

20x, 21x, 22x. American History. Three credit hours each course. Jensen.

51x. Greek History. Three credit hours. Sperry.

71x, 72x, 73x. History of Modern Europe. Three credit hours each course.

82x. History of the West. Five credit hours.

Home Economics

5x. Elementary Nutrition. Two credit hours. Barlow.

80x. Household Administration. Three credit hours. Warnick.

Landscape Architecture

15x. Theory and Practice of Landscape Architecture. Three credit hours. Reimschiessel.

Journalism

21x. Newswriting. Three credit hours. Smith.

23x. Editing and Makeup. Three credit hours. Smith.

52x. Feature Writing. Three credit hours. Smith.

60x. Problems of the Weekly Paper. Three credit hours. Smith.

Modern Languages

GERMAN

- 13x. **Easy Reading.** Prerequisite: 10 hours of German. Three credit hours. de Jong.
- 54x, 55x, 56x. **Reading from the General Field of German Literature.** Prerequisite: 15 hours of German. Three credit hours. de Jong.
- 61x, 62x, 63. **German Composition.** Three credit hours. de Jong.

FRENCH

- 13x. **Easy Reading.** Prerequisite: 10 hours of French. Three credit hours. Clark.
- 54x, 55x, 56x. **Reading from the General Field of French Literature.** Prerequisite: 15 hours of French. Three credit hours. Clark.
- 61x, 62x. **French Composition.** Three credit hours. Clark.

SPANISH

- 13x. **Easy Reading.** Prerequisite: 10 hours of Spanish. Three credit hours. Valentine.
- 54x, 55x, 56x. **Reading From the General Field of Spanish Literature.** Prerequisite: 15 hours of Spanish. Three credit hours. Valentine.
- 61x, 62x. **Spanish Composition.** Three credit hours. Valentine.

Mathematics

- 11x. **College Algebra.** Five credit hours. Marshall.
- 12x. **Plane and Spherical Trigonometry.** Five credit hours. Marshall.
- 13x. **Analytic Geometry.** Five credit hours. Hales.
- 50x. **Differential Calculus.** Four credit hours. Hales.

51x. **Integral Calculus.** Four credit hours. Hales.

Music

81x, 82x, 83x. **History of Music.** Three credit hours each course. Halliday.

Physics

16x. **Descriptive Astronomy.** Four credit hours. Hales.

21x. **Meteorology.** Five credit hours. Hales.

Political Science

10x. **U. S. Constitution.** Three credit hours. Jensen.

Psychology

10x. **Study Habits and Mental Hygiene.** Two credit hours. Poulson.

11x. **General Psychology.** Five credit hours. Poulson.

64x. **Industrial Psychology.** Four credit hours. Poulson.

74x. **Advanced Educational Psychology.** Four credit hours. Poulson. Prerequisite: three hours of elementary Psychology.

Religion

19x. **Doctrine and Missionary Methods.** Two credit hours. Ivins.

20x. **History of Religious Propaganda.** Two credit hours. Ivins.

56x. **Message of the Twelve Prophets.** Two credit hours. Sperry.

61x. **Life and Letters of Paul.** Two credit hours. Sessions.

62x. **Life of Jesus.** Two credit hours. Swensen.

77x, 78x, 79x. **Scout Leadership.** Two credit hours each course. Doman.

85x. **Church History.** Two credit hours. Clark.

Sociology

- 11x, 12x. **Introduction to the Study of Sociology.** Three credit hours each course. Ballif.
- 51x. **Community Organization and Leadership.** Three credit hours. Ballif.
- 53x. **Rural Sociology.** Three credit hours. Christensen.
- 57x. **Population Problems.** Three credit hours. Christensen.
- 75x. **Marriage and the Family.** Three credit hours. Christensen.
- 93x. **Race and Racial Problems.** Three credit hours. Ballif.

Speech

- 72x. **Theory of Play Production.** Three credit hours. Morley.
- 95x. **Speech Correction.** Three credit hours. Morley.

Zoology and Entomology

- 33x. **Apiculture.** Three credit hours. Wakefield.
- 58x. **Health Education.** Three credit hours. Hayward.
- 75x. **History of Zoology.** Two credit hours. Tanner.
- 97x. **Genetics and Racial Hygiene.** Three credit hours. Tanner.

HIGH SCHOOL COURSES

English

- d. **A Study of the Types of Literature.** One unit credit. Hart.

Geography

- a. **Economic Geography.** One unit credit.

History

- a. **U. S. History.** One unit credit. Caine.

Mathematics

- a. **High School Algebra.** One unit credit. Marshall.
- b. **Plane Geometry.** One unit credit.
- c. **Second Course in Algebra.** One unit credit. Marshall.

Social Science

- a. **Problems in Democracy.** One unit credit. Caine.

Library

Miss Ollorton, Miss Rich, Mrs. Knight;

Assistant Professor Hammond.

Lower Division Courses

11. **Use of Books and Libraries.** Autumn, Winter, or Spring. Th. One credit hour.

The purpose of this course is to help students to become efficient in using books and libraries. The use of reference books and an understanding of the card catalogue will receive special emphasis.

Upper Division Courses

63. **Library Science for Teachers.** Winter. M. W. F., 3:00. Three credit hours.

This course is designed for prospective teachers and school administrators. It will include the study of school library organization and basic reference books and will provide practice in the use of library materials. This is the course required by the Department of Elementary Education for its majors.

68. **Juvenile Literature.** Autumn, Spring. T. Th., 8:00. Two credit hours. Hammond.

A study of the best literature available for children.

69. **Juvenile Literature.** Winter. T. Th., 8:00. Two credit hours. Hammond.

A study of literature to give a basis of selection, appreciation and presentation of the best and most suitable material for the elementary school.

Training Schools

Howard S. McDonald, President.

Reuben D. Law, Dean of the College of Education.

Secondary School Faculty

A. John Clarke, Principal.

G. L. Woolf, Supervisor of Student Teaching.

Supervisory Teachers

C. Lavoir Jensen, Mathematics.

Wilford D. Lee, English*

Anna B. Hart, English

Edith B. Bauer, English.

Elliott Tuttle, Science.

Henry Nicholes, Science.

Julia A. Caine, Social Science.

Herbert Christensen, Social Science.

David M. Crowton, Physical Education, Coach.

Jay W. McCallister, Music.

LeRoy Sparks, Business, Office Practice.

George L. Miller

Josephine M. Strong

Vera B. Woodland

Verla Birrell, Art.

Roman Andrus, Art.

Louis W. Booth, French and Spanish.

William H. Snell, Shop Work and Mechanical Drawing.

George L. Lewis, Speech.

Elementary School Faculty

Hermese Peterson, Principal.

Jay W. McAllister, Supervisor of Music.

Supervisory Teachers

Lorna Call Alder

Flora Fisher

May C. Hammond

Georgia Maeser

George L. Miller

Josephine M. Strong

Vera B. Woodland

Organization and Purpose

The Training Schools are organized on a kindergarten 6-3-3 basis; viz., a kindergarten, an elementary division, a junior and senior high school.

Students enrolled in the training schools have all the advantages of the University plant such as the use of the libraries, gymnasiums, laboratories, shops, athletic fields, auditorium, etc. These enlarged opportunities with the advantages of expert teachers, make the training schools especially attractive and advantageous to students of elementary and high school age.

Provisions are made for promotions from grade to grade and from one division to another so that pupils may enter either the kindergarten or the first grade and remain in continuous attendance until they are graduated from one of the colleges of the University. The educational welfare of the students is safeguarded by an enriched curriculum. In addition, provisions are made for moral and religious training every year the student is in attendance.

ELEMENTARY TRAINING SCHOOL

The elementary training school covers the range from the kindergarten through the first six grades.

The enrollment in this department is limited to the number of pupils who can be adequately cared for in each grade. Priority of application is the basis upon which students are enrolled.

A staff of especially well-qualified instructors, with the facilities offered by the University and the assistance given by student teachers and special instructors provides wide range of experience for the children. Much attention is given to individual needs and interests and to the development of special abilities. The aim is to exhibit as completely as possible a pattern of the modern progressive school in action.

This department serves as a laboratory in modern school practice for the training of student teachers in the field of elementary education, and for the testing of current educational theory.

JUNIOR HIGH SCHOOL

Pupils completing the first six grades are regularly promoted to the **Junior High School**. Here departmentalization begins, permitting of variation in courses and a wide range of contact with expert instructors. Entrance to the Senior High School is based upon the completion of the courses outlined for the Junior High School. A maximum of four units plus one year of Theology credit will be allowed for ninth year work to count toward filling group requirements and toward graduation from the Senior High School for those pupils coming from schools which do not maintain a Junior High School.

SENIOR HIGH SCHOOL

Students completing the three years of work prescribed for the Junior High School are admitted to the Senior High School.

Students graduating from the Senior High School will be expected to complete 16 units in three years. Equal credit will be given in all subjects for equal amounts of time spent in the classroom. A course followed for thirty-six weeks with classes meeting five times a week will give one unit. All the constants prescribed must be included in the program of each student.

Aims and Regulations

It is the purpose of the high school to develop in its students, habits of regularity, punctuality, and industry. Willing and serious application to the tasks at hand is considered of fundamental importance in meeting life situations. It is the aim of the school to have students work vigorously during the day in order to develop the above qualities and to minimize home preparation of lessons. To achieve these aims, the following regulations apply to those enrolled:

- (1) Students are accountable to the school for all their time during the school day, except the noon hour, from 9:30 A. M. until 4:30 P. M., provided no classes are held after that time. Permission should be obtained from the principal and teachers in case students are required to leave the school at any time during the day. Such permission should be obtained prior to departure. Attendance at study sessions is as obligatory upon the student as are class recitations.

(2) All students are required to register for Theology. Students who fail continually to do satisfactory work in their courses in any department will not be permitted to remain in classes.

(3) Students are required to take the regulation courses in physical education during residence at this school. Students are released from this requirement only upon statement of physical disability signed by a competent physician. Satisfactory grades in physical education courses are required for graduation.

High School Activities

Under the direction of the faculty and the student body organization, an adequate program of athletic and social activities is provided for the junior and senior high school students.

All high school groups have regular social gatherings and recreational activities under faculty supervision and guidance. They have competitive activities in athletics, debating and public speaking, and essay writing. Each year the school produces a dramatic or a musical program. The school is a member of the State High School Debating Association and the Utah High School Activities Association. In addition to these opportunities for extra-curricular activity, a regular High School Student Body organization is maintained with the various activities that naturally are sponsored by such organizations. The high school students have also the advantage of participation in the regular activities of the University student body life.

Credit

Those classes which meet five days each week for full fifty minutes, and which continue for the full school year of 36 weeks of actual class work carry one unit of credit. In some cases students may transfer nine hours college credit for one unit of high school credit.

Students who register late or who discontinue before the end of the school year or miss a portion of their work during the school year can receive no higher grade than "Incomplete" until the required work of the course is completed. An incomplete grade carries no credit. Such a grade may be removed within one year and credit received.

SECONDARY TRAINING SCHOOL CURRICULA

Junior High School

7th Grade

Subjects

Constants: Religion, Physical Education, English I, Geography, Mathematics I, Music, Reading, Homemaking, Study Periods, and Assembly.

Electives: Art, Orchestra.

8th Grade

Subjects

Constants: Religion, Physical Education, English II, General Science, History, Mathematics II, Music, Reading, Study Periods, and Assembly.

Electives: Art, Orchestra.

9th Grade

Subjects

Constants: Art, Religion, Physical Education, English, Biology, Community Civics, and Assembly.

Electives: Chorus, Homemaking, Orchestra, Shop, and Theory of Music.

Senior High School

Students desiring to graduate from the B. Y. U. High School and to qualify for college entrance at the same time, are required to register for the following courses:

Grade X. English B, Theology B, Physical Education.

Grade XI. English C*, Theology C, Physical Education.

Grade XII. Problems in U. S. History, Theology D, Physical Education.

Some time during the senior high school years the following courses must be taken: Algebra or Geometry, Problems of Democracy or European History, Physics or Chemistry, Geography or Aeronautics, Physiology and Eugenics, two years of gym work.

Special courses may be planned for those high school students who do not intend to be officially graduated from high school or who do not intend to go to college.

* Under special conditions approved by the principal, English D may be substituted for English C.

Senior High School Courses

Subject	Days		Year Taken	Credit
Art	5	Elective	10 to 12	1 unit
Business				
Accounting, Elem.	5	Elective	10 to 12	1 unit
Accounting, Adv.	5	Elective	11 to 12	1 unit
Shorthand	5	Elective	11 to 12	1 unit
Typewriting, Elem.	5	Elective	10 to 12	1 unit
Typewriting, Adv.	5	Elective	10 to 12	1 unit
English				
Composition, Literature and Grammar	5	Constant	11	1 unit
Grammar and Literature	5	Constant	10	1 unit
Literature	5	Elective	10 to 12	1 unit
Home Economics				
Dressmaking, 2nd Sem.	5	Elective	10 to 12	.5 unit
Homemaking	5	Elective	10 to 12	1 unit
Language				
French A or B	5	Elective	10 to 12	1 unit
Latin A	5	Elective	10 to 12	1 unit
German A or B	5	Elective	10 to 12	1 unit
Mathematics				
Algebra I*	5	Elective	10 to 12	1 unit
Geometry*	5	Elective	10 to 12	1 unit
Arithmetic (Bus.)	5	Elective	10 to 12	1 unit
Trigonometry	5	Elective	10 to 12	1 unit
Music				
Chorus	2	Elective	10 to 12	.4 unit
Orchestra	3	Elective	10 to 12	.6 unit
Theory of Music	3	Elective	10 to 12	.6 unit
Physical Education				
Physical Ed. (Girls)		Constant	10 to 12	.4 unit
Physical Ed. (Boys)		Constant	10 to 12	.4 unit
Religious Education				
Theology B	2	Constant	10	.4 unit
Theology C	2	Constant	11	.4 unit
Theology D	2	Constant	12	.4 unit
Assembly	1	Constant	10 to 12	.2 unit

Subject	Days		Year Taken	Credit
Science				
Physics*	5	Elective	11 to 12	1 unit
Physiology (1 sem.)	5	Constant	11 to 12	.5 unit
Eugenics (1 sem.)	5	Constant	11 to 12	.5 unit
Chemistry*	5	Elective	11 to 12	1 unit
Botany (1 sem.)	5	Elective	10 to 12	.5 unit
Zoology (1 sem.)	5	Elective	10 to 12	.5 unit
Aeronautics*	5	Elective	11 to 12	1 unit
Shop				
Auto Mechanics	5	Elective	10 to 12	1 unit
Drafting A or B	5	Elective	10 to 12	1 unit
Woodworking A or B	5	Elective	10 to 12	1 unit
Social Science				
U. S. History	5	Elective	10 to 12	1 unit
World History*	5	Elective	10 to 12	1 unit
Problems in American Democracy*	5	Constant	10 to 12	1 unit
Geography*	5	Elective	10 to 12	1 unit
Dramatic Art	5	Elective	10 to 12	1 unit
Public Speaking	5	Elective	10 to 12	1 unit

* These subjects are only partially elective as either one or the other in each group must be taken.

Graduates, 1945-46

MASTER OF ARTS

Bauer, Edith BartholomewPayson

A. B. Degree, Brigham Young University, 1930

Major: Educational Administration

Thesis: Differences in Ability to Read Silently among 780
Students of Certain Secondary Schools of Utah
County, Utah, Grades Nine to Thirteen.

Bruhn, Arthur F.Panguitch

A. B. Degree, Brigham Young University, 1940

Major: Zoology and Entomology

Thesis: The External Male Genitalia of Some Rhyncho-
phora.

Chatterton, Roylance WaynePreston, Idaho

A. B. Degree, Brigham Young University, 1945

Major: Speech

Thesis: A Study of the Value of Training in Pantomime—
A Comparison of a Trained Group with an Un-
trained Group of Similar Abilities.

Clinger, Morris M.Provo

A. B. Degree, Brigham Young University, 1932

Major: Speech

Thesis: A Preliminary Study of Job Opportunities in Com-
mercial Art in Ogden City.

Colton, Ray CharlesProvo

A. B. Degree, Brigham Young University, 1936

Major: Art

Thesis: A Historical Study of the Exploration of Utah Val-
ley and the Story of Fort Utah.

Haggerty, Charles EdwardProvo

A. B. Degree, Brigham Young University, 1939

Major: Religion

Thesis: A Study of the Book of Abraham.

- Sardoni, Lawrence W.** Provo
 A. B. Degree, Brigham Young University, 1935
 Major: Music
 Thesis: A Study of the Downward Motion of the Leading Tone.
- Tolhurst, Gilbert Charles** Ogden
 A. B. Degree, Brigham Young University, 1937
 Major: Speech
 Thesis: A Further Investigation of the Incidence of Speech Defects in the State of Utah by a Comparative Study of Pupils of the Third, Fourth, Fifth, and Sixth Grades in a Rural and an Urban Area.
- Weight, Newell B.** Parowan
 A. B. Degree, Brigham Young University, 1938
 Major: Music
 Thesis: A Study of the Motivic Development of the Sixth Symphony of Beethoven.

MASTER OF SCIENCE

- Anderson, DeVon** Manti
 B. S. Degree, Brigham Young University, 1940
 Major: Secondary Education
 Thesis: Music Contests and Festivals in Secondary Schools
- Westenskow, Clifford**.....LeGrande, Oregon
 B. S. Degree, Brigham Young University, 1940
 Major: Economics
 Thesis: The Economic Development of Davis County, Utah

COLLEGE OF APPLIED SCIENCE

Bachelor of Arts

- Carter, Melba Beckman.....Los Angeles, Calif.
 Howell, E. Virgil.....Salt Lake City
 Roskelley, Mary Lovendale.....Salt Lake City

Bachelor of Science

Babbel, Olea M.....	Twin Falls, Idaho
Boyack, Elnora Louise.....	Cheyenne, Wyo.
Bushman, Nellie.....	Joseph City, Arizona
Christensen, Karma Johanne.....	Elsinore
Christensen, Lillian F.	Fillmore
Clark, Marrial.....	Provo
Goodrich, Darrell	Tridell
Hart, Karl E.....	Ogden
Hunt, Verdell	Pine, Arizona
Hunter, Phyllis Marjorie.....	Idaho Falls, Idaho
Jackson, Ernest Baker.....	Bicknell
Jeppson, Rhoda May Goates.....	St. George
Jorgensen, Eleanor.....	Price
Kissell, Ivo	Price
Rogers, Robert Chase.....	Snowflake, Ariz.
Simons, Florence	Salem
Swenson, Richard Merrill.....	Pleasant Grove
Winters, Que Seely	Castle Dale

COLLEGE OF ARTS AND SCIENCES**Bachelor of Arts**

Anderson, Elaine	Ogden
Anderson, Keith Phillips.....	Ogden
Bartholomew, Henry Homer.....	Fayette
Bates, Velma	Mesa, Arizona
Bird, Josephine Snarr	Provo
Cox, Donald B.	Fairview
Cullimore, Karma Jean	Provo
Davidson, Anna Vernessa.....	St. Anthony, Ida.
Eggertsen, Ralph LaMarr	Provo
Hart, Quella Allred	Provo
Hartshorn, Beth	American Fork
Isaac, John Dixon	Provo
Johnson, Merle Edith.....	St. Anthony, Ida.
Jones, Mary Donna	Pocatello, Idaho
King, Joseph Spencer	Provo
Lowry, Sheldon G.	Provo
Lund, Elaine Lucille	Los Angeles, Calif.
Miller, Lowell Storrs	Provo
Olson, Verda	Salt Lake City
Owens, Marian	Provo
Paulsen, Lloyd Dee.....	Ephraim
Powell, Verner Max	Provo
Romney, Cecile	Payson
Snow, Rulon Ellsworth.....	Provo

Taylor, Lester Parkinson	Provo
Teichert, Agnes Laurie	Cokeville, Wyo.
Uchiyama, Aiji Alvin	St. Paul, Minn.
Valentine, Amy Young	Provo
Yarn, David Homer Jr.	Atlanta, Ga.

Bachelor of Science

Bennett, John	Hansen, Idaho
Bradford, Gordon Richard	Fairfield, Mont.
Brockbank, Wallace Reed	Springville
Bybee, Julia Louisa	Cedar City
Coleman, Sherman Smoot	Provo
Crandall, Beth Marie	Provo
Davis, Ariel Rural	Provo
Draper, Everett C.	Salt Lake City
England, Ruth W.	Tooele
Fillmore, Paul Gardner	Provo
Gardiner, John S.	Pleasant Grove
Harris, Russell Clyde	Ogden
Hayward, LaNell Ralph	Provo
Higgins, Lloyd George	Provo
Hutchings, Harold C.	Lehi
Isom, Afton	Provo
Jones, Enos LaVar	Billings, Montana
Kay, Eloese	Heber City
Lindstrom, Evelyn Anna	Roberts, Idaho
Love, Irene Christensen	Provo
Ludlow, Jim Hand	Spanish Fork
Mikkelsen, Duane S.	Provo
Monson, LaVieve	Pleasant Grove
Moulton, Ada	Delta
Payne, Ines Eckersley	Payson
Powell, Reed Madsen	Provo
Robison, Arnold Edgar	Provo
Snow, Shipley McGregor	Provo
Spence, William S.	Rock Springs, Wyo.
Taylor, Marion Hollis	Provo
Taylor, W. Vaughn	Salt Lake City
Thatcher, L. George	Provo
Thunell, Roland Frederick	Holladay
Watson, Cyral Gordon	Rexburg, Idaho
Wilkinson, Ernest Ludlow	Washington, D. C.
Williams, Venice C.	Oakley, Idaho

COLLEGE OF COMMERCE

Bachelor of Arts

Dieu, Vernon Celestian	Ogden
Fukuda, Fred M.	Poston, Arizona
Furukawa, Takao	Rivers, Arizona
Love, William Smoot	Provo
Sanford, Frank Dee	Springville

Bachelor of Science

Bird, George R.	Springville
Bond, Merla	Duchesne
Boyle, George Wesley	Provo
Boyle, Mark Keith	Provo
Brimhall, Delbert Creed	Provo
Buckner, Elmer LaMar	Ogden
Bullock, Richard W.	Montrose, Colo.
Chadwick, James Paul	Preston, Idaho
Child, Junior Wright	Claremont, Calif.
Christensen, Bryce H.	Minneapolis, Minn.
Christensen, Lars Odell.....	Bancroft, Idaho
Cottle, LaRue.....	Rexburg, Idaho
Crandall, Floyd William	Springville
Crane, Lorna Winifred	Draper
Cromar, Bonnie Jean	Pleasant Grove
Dearden, Ross Lavelle.....	Henefer
DeGraff, Jay W.....	Heber City
Eliason, Genevieve Lois.....	Deseret
Forsey, Norma Elaine	Eureka
Grange, Russell Dean	Price
Hoopes, Edna LaRue.....	Rexburg, Idaho
Jones, Maxwell D.	Morgan
Lloyd, Beverly Frances Cronin.....	Eureka
Mangum, William Lester	Provo
Mitchell, Florence	Sanford, Arizona
Olsen, Joseph Elden Jr.,	LaCanada, Calif.
Pringle, George Ernest.....	Kemmerer, Wyo.
Rowe, Lewis Marion	Provo
Shirts, Maxine Baird.....	Salt Lake City
Strate, Sterling J.	Provo
Stucki, Franklin Stewart	Delta
Stueler, Elna Lorraine	Provo
Viklund, Eric A.....	Spanish Fork
Warner, Joseph Harold	Fillmore

COLLEGE OF EDUCATION

Bachelor of Arts

Ayers, Alama.....	Waihee, Maui, Hawaii
Bowen, David Stuart	Spanish Fork
Burkey, James Harold	Provo
Hansen, Ruth	Delta
Wolf, Carmela Leonardo.....	Boulder, Colo.

Bachelor of Science

Adamson, Nellie Cummings	Heber City
Anderson, Zola	Oak City
Bailey, Geraldine Jeppesen.....	Provo
Beatty, Florence	Hurricane
Belnap, Bryan West	Ogden
Blake, Charles H.....	Woods Cross
Bridges, Charlotte Marie.....	LaJara, Colo.
Brimhall, Don S.	Holden
Brimhall, Keith Harold.....	Wendell, Ida.
Buchanan, Ann Herbert.....	Salina
Bugg, Etheleen	Blanding
Church, Woodrow H.	Escalante
Clark, Phyllis	Provo
Coombs, Ellis D.	Fairview
Cowan, Darlene	Payson
Cowan, Maurine	Payson
Dixon, Owen G.	Provo
Ebenstein, Barbara Strong	Orem
Fenn, Rey L.	Benson, Arizona
Fox, Norine	Lehi
Freckleton, Jennie L.	Provo
Gardner, Ivin E.	Salem
Gardner, Russell Movelle	Springville
Garff, Rachel Minnie	Salt Lake City
Gentry, Elizabeth Margaret	Myton
Gleason, Jennie	Pleasant Grove
Gleave, Shirley Ann	Annabella
Hansen, June Murdock	Salt Lake City
Harding, Jennie	Provo
Hawkins, Evelyn	St. George
Hiatt, Louisa Gene	Provo
Higginson, Essie Myrteen	Santaquin
Hill, Arden B.	Fayette
Hill, Joy W.	Provo
Howell, Maurine	Malad, Ida.

Huntsman, Jay R.	St. George
Jensen, Lola	Pleasant Grove
Kirkham, Jane Josephine.....	Salt Lake City
Lee, Dwight	Malta, Ida.
Lindstrom, Marjorie Fern.....	Roberts, Ida.
Longhurst, Herman Lester	Pocatello, Idaho
Madsen, Lenora Kimball	Price
Mills, Gayland Ranson	Pocatello, Idaho
Moore, Ezra Hudson.....	Rockland, Ida.
Nielsen, Ardella	Idaho Falls, Ida.
Oldroyd, Una	Venice
Orton, Rulon D.	St. George
Peterson, Edra Allred.....	Pleasant Grove
Prince, Lillian Terry	Orem
Rambeau, Jean Mitchell	Provo
Rasband, Eliza Janett	Heber City
Redd, Ruth	Salt Lake City
Rowe, Francis E.	Provo
Schwartz, Mary Roylance	Springville
Smith, Afton Bryson	Bountiful
Smith, Bessie Atkin	St. George
Snarr, A. Glen	Murray
Snow, Edward Donald	Provo
Stanley, Elena Hassell	Mona
Stephens, Nell Chapman	Heber City
Storrs, Jennie Grant	Provo
Thompson, Blodwen	Provo
Turner, Floy Larsen	Provo
Ward, Rhea Constance	Provo
Watts, Alice Louise	Orem
West, Hazel Nuttall	Salt Lake City
Wight, Beth	Brigham City
Wilkes, Shirley Ann	Eugene, Oregon
Wilson, Cecil	Salt Lake City
Wintch, Mary	Tropic
Woodbury, Virginia	St. George
Wright, Albert Herschel.....	Malad, Idaho
Wycherly, Gaylen Loyd	Columbia

COLLEGE OF FINE ARTS

Bachelor of Arts

Bird, Kathleen Nasby.....	San Diego, Calif.
Bullock, Anna Jean.....	Montrose, Calif.
Drissell, Lorraine	Provo
Gaddie, Lola Jean	Garland

Greenhaw, Marcia	Chicago, Ill.
Holley, Johnnie Belle.....	Houston, Tex.
Hunter, Claire Faye.....	Castle Dale
Leigh, Marian.....	Cedar City
Marchant, Lila T.	Peoa
Peterson, Lola Jean	Rexburg, Ida.
Reimshussel, George C.	American Fork
Strong, Doyle M.	Provo
Sutton, Jacqueline	Grantsville
Thomas, Winnifred Janice	Manassa, Colo.
White, Herbert Joyce	Crockett, Calif.
Young, Miriam	American Fork

Bachelor of Science

Graham, Richard	Fairview
McBride, Marjorie Jean	Columbia, S. C.
Olpin, Helen Rae.....	Salt Lake City
Taylor, Rose Parkinson	Provo
Zieve, Betty	Kamas

GRADUATES WITH HONORS

Elaine Anderson
 Keith P. Anderson
 Josephine Bird
 Nellie Bushman
 L. Odell Christensen
 Phyllis Clark
 Anna Davidson
 Mary Donna Jones
 Florence Mitchell
 Marion Owens
 Afton Bryson Smith
 Winifred Thomas

Enrollment of Students

1945-1946

In the following list "a" stands for arts and science; "ap" for applied science; "c" for commerce; "e" for education; "fa" for fine arts; "G" for graduate; "ss" for summer school; "S" for senior; "J" for junior; "So" for sophomore; "F" for freshman; "Unm" for unmatriculated; and "Sp" for special.

Abbott, Cecil Claire, a-F	Aguirre, Joseph Manuel, c-Unm
.....Yeadon, Penn.	.....Springville
Abbott, Stowell Fielding, e-J	Aiken, George Russell, a-F
.....Boise, Ida.	.....Kanab
Abegg, Norma, ap-F	Aiken, Phil Lund, a-F
.....Tucson, Arizona	.....Provo
Abel, James Garnett, a-F-ss	Aiken, Ruth L., ss
.....Tremonton	.....Provo
Aberle, Vernon August, c-F	Albiston, Jalaine, c-F, Rich-
.....Tremont, Illinois	.....mond
Abplanalp, Joyce, e-F, Duchesne	Aldrich, Marian G., c-J
Acord, Abram Max, a-F, Provo	.....Mt. Pleasant
Adams, Alma D., ap-F	Alexander, Hazel Welsh, c-F
.....Blythe, Calif.	.....Aurery, New Mexico
Adams, Ardis, e-F	Alexander, Reta, fa-Sp-ss
Adams, Barbara Alice, ap-Unm	.....Panguitch
.....Piedmont, Calif.	Allan, Blaine W., G
Adams, Beverly, a-F, Parowan	.....Payson
Adams, Deaun, e-So, Blanding	Allen, Carling D., ap-J
Adams, Emma Jean, a-F, Kanab	.....Kingston
Adams, Florence, ss	Allen, Ellen Young, fa-Sp
Adams, Garth Earl, c-F, Orem	.....Provo
Adams, Georganna, e-J, Delta	Allen, Genevieve M., a-Sp, Provo
Adams, George Thomas, c-F	Allen, Leland Rial, a-S
.....Provo	.....Las Vegas, Nev.
Adams, John Newton, a-Unm-ss	Allen, Leora, a-F
.....Portland, Oregon	.....Richmond
Adams, Laurine, fa-F	Allen, Merrill Dee, ap-Unm
.....Las Vegas, Nev.	.....Kingston
Adams, Orrin Karl, ap-F	Allen, Shirley Ruth, a-F
.....Clawson	.....American Fork
Adams, A. Paul, a-F	Allman, Verl Phillips, a-So
.....Pleasant Grove	.....San Diego, Calif.
Adams, Ruth Wilson, a-So	Allred, Bethel W., ss
.....Midway	.....Orem
Adamson, Dewey Newell, c-F	Allred, Charles Clinton, a-F
.....Pleasant Grove	.....Olympia, Wash.
Adamson, Jack S., e-F	Allred, Edna G., ss
.....Park City	.....Fountain Green
Adamson, Karl B., a-F	Allred, Edra, ss
.....American Fork	.....Spring City
Adamson, Mary Louise, c-F	Allred, Elaine, a-So-ss, Provo
.....Pleasant Grove	Allred, Elaine, a-F
Adamson, Nellie, ss, Heber City	.....Provo
Addy, George Milton, a-So	Allred, Gordon Keith, a-F
.....Bingham Canyon	.....Cardston, Alberta, Can.
Adkins, Laura W., ap-F	Allred, James Darrell, ap-F
.....American Falls, Ida.	.....Lehi
	Allred, Keith Reid, ap-F
	.....Spring City
	Allred, Marie, a-F
	.....Lehi
	Allred, Marsden, ss, Spring City
	Allred, Maurine, ap-Sp, Provo
	Allred, Olga, e-J-ss
	.....Provo
	Allred, R. Chase, ap-J
	.....Lehi

- Allred, Richine, fa-F...Emery
 Allred, Rulon B., a-So....Lehi
 Allred, Wendell U., a-So., Provo
 Amos, Meredith Gordon, e-F
 Payson
 Anderson, Beth, c-F.....
Mt. Pleasant
 Anderson, Bettie Virginia, a-
 So Provo
 Anderson, Betty Lou, fa-J..
 Gunnison
 Anderson, Charlotte Louise,
 e-SoSt. Johns, Ariz.
 Anderson, Clara, ap-J...Emery
 Anderson, DeVon, G-ss, Manti
 Anderson, Dona R., a-Unm
Los Angeles, Calif.
 Anderson, Duwayne Merlo,
 ap-FNyssa, Ore.
 Anderson, Edith Jean, a-J..
 Pleasant Grove
 Anderson, Elaine, a-S, Ogden
 Anderson, Ellen, fa-Sp-ss...
 Springville
 Anderson, Elvon George, a-J
 Oak City
 Anderson, Fawn, fa-F....Orem
 Anderson, George Albert, a-
 F Provo
 Anderson, Gwen, ss....Monroe
 Anderson, Helen C., a-So, Provo
 Anderson, H. Reese, G.....
 Springville
 Anderson, John Emmert, a-
 SoSalt Lake City
 Anderson, Junius Elroy, a-
 UnmOak City
 Andersen, Kay Elbert, c-F..
Salt Lake City
 Anderson, Keith Edward, a-
 FMt. Pleasant
 Anderson, Keith Phillips, a-
 SOgden
 Anderson, Kenneth Probart,
 a-F Provo
 Anderson, Margaret, ap-So..
Palmyra, N. Y.
 Anderson, Marjorie L., e-J
 Riverton
 Anderson, Mark Jr., a-S, Provo
 Anderson, Martha Lucille, a-
 UnmLos Angeles, Calif.
 Anderson, Moselle, c-F.....
Raymond, Alberta, Can.
 Anderson, Paul S., G....Provo
 Anderson, Phyllis N., a-So..
 Oak City
 Anderson, Rita, ap-So, Provo
 Anderson, Robert, a-F, Provo
 Anderson, Robert Arthur, a-
 FHuntington Park, Cal.
 Anderson, Robert Hugh, a-F
 Fairview
 Anderson, Sarah Almina, ap-
 F ..Lethbridge, Alberta, Can.
 Anderson, Thiele, e-So.....
 Pleasant Grove
 Anderson, William C., fa-F
 Ogden
 Anderson, Zola, e-Sp-ss, Provo
 Andreas, Paul William, a-J
Beatrice, Nebr.
 Andreason, Elizabeth S., e-
 So Draper
 Andrew, Cathryn M., -G, Provo
 Andrew, Clyde Stewart, a-
 FSalt Lake City
 Andrus, Belva G.Provo
 Andrus, Elden G., a-F.....
Spanish Fork
 Andrus, Marie, e-F.....
 Spanish Fork
 Andrus, Milo C., ap-F.....
 Spanish Fork
 Andrus, Ralph H., a-F.....
Spanish Fork
 Anthon, Mary Helen Sterling
 ss Bountiful
 Argyle, Betty, ap-F.....
 Woods Cross
 Argyle, Cyril M., a-J, Randolph
 Argyle, Lenora, ap-F.....
 Spanish Fork
 Armstrong, Gay Norine, e-J
Idaho Falls, Ida.
 Armstrong, Jeannette, ap-
 UnmPhoenix, Arizona
 Arrowsmith, Harold B., a-
 SoProvo
 Arrowsmith, Jessie Burt, G-
 ss Provo
 Ash, Cecil Grant, ap-J....Lehi
 Ash, Donna Olpin, ss
Pleasant Grove
 Ashley, Edith, e-Unm
Montpelier, Ida.
 Ashton, Vida, a-F.....Lehi
 Ashworth, Ardell Harmon, a-
 Sp Provo
 Ashworth, Dell Shepherd, a-
 J Richfield
 Ashworth, Ellen, a-J....Provo
 Ashworth, Gayle Claire, a-J
 Richfield
 Ashworth, Joe H., fa-Sp, Provo
 Askea, Dorothy E., c-F.....
 Farmington
 Astin, Marion Emma, e-So..
Salt Lake City
 Astin, Nila, a-F, Salt Lake City
 Atkerson, Mary Lee, a-J....
 Dallas, Texas
 Atkinson, Nevada R., fa-Sp
 Provo
 Atkinson, Theron H., ss.....
Rigby, Idaho

- Atwood, Fred Smith, c-J.... Pleasant Grove
Ault, Pearl Pierce, ss..... American Fork
Ault, Virginia, c-J, Cedar Valley
Austin, Iris, c-F, Lyman, Wyo.
Averett, Bill B., c-J, Springville
Avery, Chadwick F., c-S, Provo
Avery, Evelyn, ss..... Provo
Avery, Marvin D., a-J..... Idaho Falls, Idaho
Ayers, Alama, e-S-ss..... Waihee, Maui, T. H.
Babbel, Olea Mae, ap-S-ss.. Twin Falls, Ida.
Babbel, Pearl Afton, fa-So.. Twin Falls, Ida.
Babbel, Vera L., fa-J..... Twin Falls, Ida.
Backman, Beverly Ann, a-F Fort Wayne, Colo.
Bacon, Donna Mae, ss..... Boise, Ida
Baer, Joann Rita, fa-F..... Bremerton, Wash.
Baggs, Edwin Kent, c-J, Ogden
Bagley, Elva Jeanne, a-F.. Salt Lake City
Bailey, Ann, a-So..... Nephi
Bailey, Annette, a-So..... Salt Lake City
Bailey, Barbara Carolyn, ap-J..... Salt Lake City
Bailey, Betty Jean, e-So.... Azusa, California
Bailey, Bryce R., e-J..... Nephi
Bailey, Geraldine Jeppesen, ss..... Provo
Bailey, Keith Reid, c-F, Provo
Bailey, Lillian Faye, ap-Unm Hansen, Ida.
Bailey, Maynard C., c-S, Nephi
Baird, Beth Evelyn, a-F.... Rigby, Ida.
Baird, Marilyn, fa-F..... San Diego, Calif.
Baird, Udella, ss..... Castle Dale
Baker, Lettie Celestia, a-Unm..... Marianna, Fla.
Baker, Wesley J., c-So.... Orem
Balle, Bob LeRoy, a-F, Payson
Balle, Harry Reed, ss, Glenwood
Ballif, Ariel Smith Jr., a-So..... Provo
Ballif, Arta Romney, fa-Sp Provo
Ballif, George E., a-F, Provo
Ballif, Moana, a-F..... Provo
Ballou, Richard Edwin, fa-F Riverside, Calif.
Bamgertner, Lula Belle, e-So..... Provo
- Bangerter, M. Gleneth, a-F Salt Lake City
Bangerter, Pauline, a-F.... Salt Lake City
Banks, Willis Merrill, ap-So Rigby, Idaho
Barber, Robert Blamires, a-So..... Spanish Fork
Barclay, Janet Fannie, a-J Paul, Idaho
Barg, Marian Julia, a-F.... Salt Lake City
Barker, Dwain Carlos, fa-So Moab
Barker, Joseph V., a-F..... Escalante
Barker, Melba, e-J..... Ogden
Barker, Robert, e-S, Escalante
Barlow, Francis, e-J, Heber City
Barlow, June Elizabeth, ap-F Bountiful
Barlow, Marjorie Anna, ap-So-ss Bountiful
Barnes, Phyllis S., fa-J.... Long Beach, Calif.
Barnett, Helen, fa-Sp.... Provo
Barney, Delbert, G, Mesa, Ariz.
Barnhill, Grace Darling, e-J..... Hampstead, N. C.
Barratt, Ted D., a-F..... American Fork
Barrett, Audrey Laurine, ap-F..... Salt Lake City
Barrett, Ivan J., ss, Hurricane
Barrett, Larence James, fa-J..... Malta, Ida.
Barrett, Ray, e-Sp..... Provo
Barrett, Thomas Wilson, G Provo
Bartholomew, Bessy, ap-F Fayette
Bartholomew, Betty, ap-F... Fayette
Bartholomew, Henry Homer, a-Sp Fayette
Barton, Asenath Avery, ss, Provo
Barton, Carol, e-F..... Mt. Pleasant
Barton, Joseph Frances, a-F Monticello
Bateman, Dean Martin, a-F American Fork
Bateman, Gwen, c-So.... Alpine
Bateman, June B., ss..... Rupert, Idaho
Bateman, Leola, a-F..... West Jordan
Bateman, Lorna Jewel, a-F.. Alpine
Bateman, Maurice B., a-F... Alpine

- Bates, Louise A., G ... Payson
 Bates, Velma, a-S ... Mesa, Ariz.
 Bath, Harry, a-F
 American Fork
 Bauer, Edith Bartholomew,
 ss, Payson
 Bautista, Margarita, e-So....
 Colonia Dublan, Chih., Mex.
 Baxter, Hoyt H., e-J,
 Springville
 Baxter, Hugh A., G, Springville
 Baxter, Luana Jean, c-F, Orem
 Bayles, Margaret, a-So
 Blanding
 Beal, Irene, a-So, Moore, Ida.
 Bean, Barbara Storey, c-Unm
 LaGrande, Ore.
 Bean, Donna Myrle, a-So, Provo
 Beard, Margery Louise, fa-
 F Coalville
 Beardall, Keith Eugene, ap-
 F Springville
 Beardall, Ronald Leslie, ap-
 S Springville
 Beatty, Florence V., e-S-ss
 Hurricane
 Bechtol, Elizabeth E., ss....
 Eureka
 Beck, Carol, a-J, Provo
 Beck, Earl A., c-So,
 Pleasant Grove
 Beck, Jenna Vee, fa-So,
 American Fork
 Beck, John Kent, a-So, Provo
 Beck, Kenneth J., a-So,
 American Fork
 Beck, Sherman Elias, e-F, ...
 American Fork
 Beck, Theron F., fa-So,
 American Fork
 Beckstead, J. Roscoe, ss....
 Tremonton
 Beckstead, Robert Byron, a-
 F Twin Falls, Ida.
 Beckstrom, Frank Argyle, a-
 J Spanish Fork
 Beckstrom, Ted Hanson, a-
 F Spanish Fork
 Bee, Annette P., fa-F, Provo
 Bee, James William, G, Provo
 Beebe, Arla B., fa-Sp-ss, Provo
 Beebe, Jessie Louise, a-F, ...
 Circleville
 Beebout, Harold, ss, Eden, Ida.
 Beem, Ivan Rulon, ss,
 Pocatello, Ida.
 Beesley, Stanley Alvin, ap-F
 Salt Lake City
 Beeston, Joseph Mack, a-So
 Fillmore
 Beffort, Eva, a-F, Provo
 Beglin, William John Jr., a-
 So Glen Cove, N. Y.
- Behunin, William Clyde, e-
 S Salt Lake City
 Bell, Beula, a-So, Preston, Ida.
 Bell, Ferris S., G Provo
 Bell, Marv Rulon, a-S, ... Loa
 Bell, Virla, ap-F
 Twin Falls, Ida.
 Belliston, Mima Jean, e-F, ...
 Nephi
 Bellows, Milton, c-F, Orem
 Belnap, Bryan West, G-ss, ...
 Ogden
 Bement, Bertha P. ap-Sp, Provo
 Bement, Herman Charles, ss
 Provo
 Bement, Russell P., a-F, Provo
 Bench, Milton Jay, a-Sp, Provo
 Bench, Reese E., G, Provo
 Benevent, Paul, a-F, Provo
 Bennett, Albert Jr., ap-F, ...
 Hansen, Idaho
 Bennett, Beth Marie, a-So, ...
 Provo
 Bennett, Emma, c-J, Holden
 Bennett, Eulalia, ap-Sp, ...
 Hansen, Ida.
 Bennett, John, a-S, Hansen, Ida.
 Bennett, John W., c-F,
 American Fork
 Bennett, Joy, a-J, Meadow
 Bennett, June, a-J, Meadow
 Bennett, Keith Weldon ap-
 F Virginia, Ida.
 Bennett, Marie Gleason, a-
 Sp Provo
 Bennett, Shirley Mae, a-F, ...
 Los Angeles, Calif.
 Bennion, Dorothy, a-F,
 Holladay
 Bennion, Eleanor, e-So,
 Cokeville, Wyo.
 Bennion, Joyce, ap-F, Murray
 Bensch, Earl Alfred, fa-F, ...
 Deer Lodge, Mont
 Benson, Reed Amussen, a-F
 Salt Lake City
 Benson, Stanton Floyd, c-J
 Moreland, Idaho
 Bentley, Gladys Bertie, a-F, ...
 Arvada, Colo.
 Bentwet, Elaine Edna, a-F, ...
 Provo
 Bergen, Karl Lloyd, fa-F, ...
 Brigham City
 Bergquist, Ralph, e-F,
 Preston, Ida.
 Berlin, C. Elliott, a-J, Ogden
 Bernard, Hilda, ss, Ogden
 Berrett, Eleanore May, fa-
 So Ogden
 Berry, June, e-J,
 Mill Valley, Calif.

- Berry, Mary Alice, e-F.....
Salt Lake City
 Bertin, Donna Mae, ss....Provo
 Bestelmeyer, Lois Ruth, a-F
Provo
 Bezzant, Matthew K., a-So..
Pleasant Grove
 Biddle, Kenneth Joseph, c-F
Provo
 Biddulph, Merrill, a-S, Provo
 Bieler, Virginia G., ap-F, Ogden
 Bilbao, Ellis D., a-So, Orem
 Billings, Hannah Marie, fa-J
Springville
 Bingham, Afton Mae, c-So..
Roosevelt
 Bingham, Alpheus, a-F.....
Spanish Fork
 Bingham, Cleve Lanning, a-
 JSpanish Fork
 Bingham, Donna, a-Unm....
Tucson, Ariz.
 Bingham, Ervin J., a-F.....
Spanish Fork
 Bingham, Eugene R., c-J...
 ssSpanish Fork
 Bingham, Owen Woodruff,
Provo
 Bingham, Vera, a-F.....
Weston, Idaho
 Binnall, James Ralph, a-F..
American Fork
 Birch, Patricia Estelle, a-F..
Salt Lake City
 Bird, Arus W., ap-J Springville
 Bird, Barbara Joyce, a-F.....
Springville
 Bird, Beverly, e-So, Springville
 Bird, Genevieve, a-F,
Springville
 Bird, George Ray, c-S.....
Springville
 Bird, Howard Frank, c-F...
Salt Lake City
 Bird, Josephine Snarr, a-S-
 ssProvo
 Bird, Kathleen N., fa-S.....
San Diego, Calif.
 Bird, Lawrence Gene, a-F..
Provo
 Bird, Leora C., c-S-ss, Manti
 Bird, Marion Eloise, a-F.....
Midvale
 Bird, Martha, GProvo
 Bird, Virginia, a-So, Mapleton
 Birrell, Verla L., G.....Prvoo
 Bitter, Charles Eldon, a-F..
Salt Lake City
 Bjarnson, Max Frank, a-F..
Provo
 Bjarnson, Reeda, c-F.....
Springville
- Bjerregaard, Oscar F., ss, Provo
 Black, Allie, e-F....Blanding
 Black, Alma June, ap-F....
Duchesne
 Black, Bonnie Rae, fa-F, Delta
 Black, Clair Brox, c-So.....
Ely, Nev.
 Black, Clair H., ap-J, Provo
 Black, Clarence Stevens, a-
 FMonticello
 Black, Dantzelle Call, fa-Sp
Monticello
 Black, Harvey B., a-J....Orem
 Black, Jean, a-F.....Orem
 Black, Maurice Dean, a-F-
 ssProvo
 Black, Verle Dee, a-J-ss....
Deseret
 Blackwell, Harry, G....Provo
 Blake, Beulah, a-J, St. George
 Blake, Chas. H., e-Sp...Provo
 Blake, Hazel Lucille, ss, Provo
 Blake, Helene Amelia, fa-F
Baldwin Park, Calif.
 Blake, Joseph Thomas, c-F..
Provo
 Bliss, Clarence Bruce, e-F..
Orem
 Bliss, Mary Renee, e-So, Orem
 Blomquist, Betty Gene, a-F
Salt Lake City
 Bluth, Dewey Clyne, a-J....
El Paso, Texas
 Bluth, Ione, ssPayson
 Boardman, Beverly Jean, c-
 FProvo
 Boberg, Jacqueline, ap-So..
Draper
 Bodily, DelRoy Clark, a-F..
Iona, Ida.
 Bodily, Mildred, fa-F
Preston, Ida.
 Bohne, Robert Ervin, c-F...
Spanish Fork
 Bond, Dean W., fa-F, Henefer
 Bond, LaBelle Pace, a-Sp....
Hoytsville
 Bond, Marian Louise, c-Unm
Mesa, Ariz.
 Bond, Merla, c-S.....Duchesne
 Bond, Twila Mae, c-So.....
Shiprock, N. M.
 Bone, Betty Lou, c-F....Provo
 Bonnett, Max Dean, c-Sp, Provo
 Boorman, Birdie Delora Boy-
 er, ssProvo
 Booth, Louis W., ss....Provo
 Booth, Lillian Lucille, a-J..
Provo
 Booth, Sterling Harvey, a-F
Provo
 Booth, Virginia, c-F....Provo

- Booth, William Robert, c-F
..... Provo
- Borg, Robert L., c-So.....
.....Salt Lake City
- Borgeson, J. Marie, fa-J-ss
.....Santaquin
- Borgeson, Nicoline Lavina,
fa-F-ssSantaquin
- Boshard, Dean Dixon, a-J..
.....Provo
- Boshard, James Rudolph, a-
SoProvo
- Boswell, Howard H., a-So, Provo
- Bowden, Polly Jayne, a-F..
..... Mesa, Ariz.
- Bowen, Afton Hope, a-F....
..... Brigham City
- Bowen, David B., ss.....
..... Spanish Fork
- Bowen, David Stuart, e-S, Provo
- Bowen, Ellen Beverly, fa-F
..... Burley, Ida.
- Bowen, Jean Donald, G....
..... Brigham City
- Bowen, William D., c-J....
.....Spanish Fork
- Bowes, Betty Marie, c-F....
.....Salt Lake City
- Bowes, Kathlyne Louise, c-F
.....Salt Lake City
- Bowles, Catherine, G....Provo
- Bowles, Geraldine, G....Provo
- Bowman, Jack Elgin, a-F..
..... Shelley, Idaho
- Bown, Delos Edward, a-So..
.....Provo
- Bown, James Ralph, a-F....
.....Salt Lake City
- Bown, Jay Bee, fa-F....Provo
- Boyack, Elnora Louise, ap-
SCheyenne, Wyo.
- Boyack, Myrtle Jeanne, fa-
FSpanish Fork
- Boyack, Phyllis Elaine, c-So
..... Spanish Fork
- Boyce, Eva, GProvo
- Boyd, Sherman L., a-F, Orem
- Boyden, Stan J., a-So, Provo
- Boyden, Thomas A., a-F, Provo
- Boyer, Barbara Lu, fa-F....
.....Monrovia, Cal.
- Boyer, Francis O., a-F.....
.....Springville
- Boyer, Leah, e-So-ss....Provo
- Boyle, Edna M., fa-Sp....Provo
- Boyle, George Wesley, c-Sp
.....Provo
- Boyle, Mark K., c-Sp....Provo
- Boyle, Norma Claire, a-F, Provo
- Bradford, Gordon Richard, a-
SFairfield, Mont.
- Bradley, Donald Bigelow, a-
FProvo
- Bradley, James L., fa-So....
..... Driggs, Ida.
- Bradshaw, DeLeuna, a-F, Orem
- Bradshaw, Elsie McKay, G
.....Ogden
- Bradshaw, Lillian Mary, a-
FSan Francisco, Calif.
- Bradshaw, Samuel Rawl, a-
FOrem
- Brady, Beverly Jean, a-F....
..... Midvale
- Brady, Fern, fa-F.....Provo
- Brady, Garn Anderson, ap-S
..... Virginia, Ida.
- Brady, Stanley Jay, fa-So..
..... Fairview
- Brady, W. W., ss..Rigby, Ida.
- Brailsford, Bette Jean, fa-
FProvo
- Brailsford, Blain, a-So.....
..... Springville
- Brailsford, Robert E., G, Provo
- Breinholt, Herbert C., G, Provo
- Brewer, Alice May, fa-Unm..
..... Mesa, Ariz.
- Brewer, Courtney H., fa-
UnmSt. Charles, Ida.
- Brewer, J. Harold, fa-S....
.....St. Charles, Ida.
- Bridge, Billie M., e-F.....
..... Farmington
- Bridges, Bob Lynn, a-F Sevier
- Bridges, Charlotte Marie, e-
SLaJara, Colo.
- Brienholt, Floyd E., G..Provo
- Briggs, Barbara R., a-F.....
..... Layton
- Briggs, Barlow, a-J....Layton
- Briggs, Faye, fa-So.....
..... American Fork
- Briggs, Helen Gladys, a-F..
..... Rigby, Ida.
- Briggs, Junior O., a-F.....
..... Spanish Fork
- Bright, Edythe, a-So.....
..... Rigby, Ida.
- Brimhall, Betty Ellen, c-So..
..... Bingham Canyon
- Brimhall, Darlene Mae, a-
Unm..... Evanston, Wyo.
- Brimhall, Delbert Creed, c-
SProvo
- Brimhall, Don S., e-S, Holden
- Brimhall, Hattie W., ss, Provo
- Brimhall, Keith Harold, ss
..... Wendell, Ida.
- Brimhall, Louise, fa-F.....
..... Pleasant Grove
- Brimhall, Richard Kay, a-
FProvo
- Brimhall, Victor Owen, c-J
.....Provo

- Brimley, Inez June, fa-So... Salt Lake City
 Bringhurst, Kenneth Walter, a-F... Pocatello, Ida.
 Brinkerhoff, Donna, a-F... Fillmore
 Bristow, Richard Owen, a-So... San Bernardino, Cal.
 Bristow, Shirley Donna, c-Unm... San Bernardino, Cal.
 Brittain, Raymond Adam, ap-F... Provo
 Brittain, Westly Eugene, ap-F... Provo
 Broadbent, Basil D., fa-S... Santaquin
 Broadbent, Berne P., ss... Pocatello, Idaho
 Broadbent, Harvey M., a-J... Wayzata, Minn.
 Broadbent, Karma Loraine, ap-F... Snowflake, Ariz.
 Broadbent, Kent Dasturp, a-So... Provo
 Brockbank, Anne Louise, ap-F... Salt Lake City
 Brockbank, Carol, a-F... Provo
 Brockbank, Zina C., e-J-ss... Provo
 Broderick, Clara, ap-So-ss Roosevelt
 Brooksby, Myrtle, a-F... Fredonia, Ariz.
 Brooksby, Velta, a-F... Fredonia, Ariz.
 Brooner, Jean Annie, a-F... Kalispell, Mont.
 Brough, Sharmene Welch, fa-F... Evanston, Wyo.
 Brough, Sheila, a-So... Evanston, Wyo.
 Brower, Leona Beth, fa-Unm... Denver, Colo.
 Brower, Lucy Dawn, a-F... Fillmore
 Brown, Anna Louine, a-So... St. Johns, Ariz.
 Brown, Barbara D., c-F-ss... Provo
 Brown, Beatrice, G... Provo
 Brown, Belva, ap-F... Murray
 Brown, Betty LaVonne, fa-Unm... San Bernardino, Cal.
 Brown, Carl B., c-F... Mesa, Ariz.
 Brown, Carolyn, ap-F... Yeaddon, Penn.
 Brown, Douglas C., c-So... Springville
 Brown, Frances Pauline, fa-So... Provo
 Brown, Helen Marshall, a-F... Guilford College, N. C.
 Brown, Ilene, ap-F... Parker, Idaho
 Brown, John Ellsworth, ap-J... Boise, Ida.
 Brown, Karl W., a-F... Provo
 Brown, Kathleen, a-F, Midvale
 Brown, Kenneth Hill, a-J... Boise, Ida.
 Brown, Lou Anne, a-So... Provo
 Brown, Louise, a-So... Tempe, Ariz.
 Brown, Merrillyn, a-F... Provo
 Brown, Ralph Sherman, a-S... Provo
 Brown, Robert Dale, e-F Orem
 Brown, Rulon Spilsbury, ap-Unm... El Paso, Tex.
 Brown, Ruth, c-S Pleasant Gr.
 Brown, Virginia Emma, c-F... Salt Lake City
 Brown, Weston D., a-J, Provo
 Browning, Claramay, e-Sp... Provo
 Bruderer, Wilford LaMar, c-So... Salt Lake City
 Bruhn, Arthur Frederick, G... Panguitch
 Brunson, Marilyn, G, Fillmore
 Bryner, Margaret P., ss... St. George
 Buchanan, Ann H., e-S, Salina
 Buchanan, Elmo Dwain, c-So Venice
 Buchanan, Hayle, a-F... Roosevelt
 Buchanan, Nola, a-F... Provo
 Buchmiller, Carol S., ap-J... Midvale
 Buchmiller, Faye, ap-F... Rexburg, Ida.
 Buchmiller, Karl George, a-F... Rexburg, Ida.
 Buckley, Ada, fa-Sp... Provo
 Buckley, Nadine, ap-F... Ely, Nevada
 Buckner, Elmer LaMar, c-S Ogden
 Buckner, Melba Hale, ap-Sp Ogden
 Budge, Iva Lou, ap-F... Malad, Ida.
 Budge, Lou Jean, a-F... Malad, Idaho
 Buell, Lucile, c-So, Heber City
 Bugg, Etheleen, e-S-ss... Blanding
 Buhler, Herman Nephi, ap-Unm... American Fork
 Buller, Maxine Evelyn, c-F... Long Beach, Calif.
 Bullock, Anna Jean, fa-S... Montrose, oClo.

- Bullock, Richard W., c-S....
Montrose, Colo.
 Bulow, Carol Ann, c-F.....
Richfield
 Bunderson, Grace, ss....Emery
 Bunnell, Carol Lee, fa-F.....
Wells, Nev.
 Bunnell, Helen, fa-Sp....Orem
 Burbidge, Louise, ap-F.....
Salt Lake City
 Burgena, Owen F., ss.....
Hurricane
 Burgi, Ernest Junior, a-So..
Provo
 Burgin, Josephine, a-F.....
Grace, Idaho
 Burgon, Glade Lynn, a-F..
Midvale
 Burgon, LaRae, a-F....Midvale
 Burkey, James H., e-S-ss, Provo
 Burkey, Naia Hansen, a-J-
 ssProvo
 Burleigh, LeRoy Richard, fa-
 J-ssWaymart, Penn.
 Burnes, Dorothy Jeane, e-F
Wichita Falls, Texas
 Burnett, Donna O., c-F..Provo
 Burnett, Lamar C., e-F, Morgan
 Burnham, Norma, a-F, Blanding
 Burningham, Stanley Clark,
 fa-F....American Falls, Ida.
 Burnside, Helen Mae, ap-F..
Mt. Pleasant
 Burnside, Wesley M., G....
Mt. Pleasant
 Burt, Janice, fa-So
Salt Lake City
 Burton, Melvin Poulter, fa-
 FAfton, Wyo.
 Burton, Otis Lynn, e-S, Morgan
 Bushman, Grant Moroni, a-J
Provo
 Bushman, Jess Richard, a-So
Salt Lake City
 Bushman, Lois, c-J.....
Joseph City, Ariz.
 Bushman, Morris S., c-J....
Joseph City, Ariz.
 Bushman, Nellie, ap-S.....
Joseph City, Ariz.
 Bushman, Preston J., fa-So
Mesa, Ariz.
 Bushman, Sariah Ann, fa-So
Snowflake, Ariz.
 Bushnell, J. Fred, ap-F, Provo
 Bushnell, Joseph Merrill, a-
 JProvo
 Bushore, Donald Eugene, e-
 FPatterson, N. J.
 Busterud, Douglas Courtney
 c-JProvo
 Buswell, Don A., G....Ogden
- Butler, Darrell Oran, a-F..
Payson
 Butler, Margaret, c-So.....
Driggs, Ida.
 Butler, Norine, fa-F
Tetonia, Ida.
 Butts, Dorothy, a-F.....Bluff
 Buys, Archie Dale, a-J.....
Heber City
 Bybee, Julia L., a-S, Cedar City
 Bybee, Marie Dean, fa-F.....
Springville
 Bylund, Horace Bruce, fa-So
Santaquin
 Bytheway, Wilford Ray, fa-
 FSalt Lake City
 Cahoon, Cecil B., fa-Sp, Payson
 Cahoon, Colleen, c-ss.....
Salt Lake City
 Calder, Fontella S., ss, Vernal
 Calder, Robert Bruce, ap-F
Orem
 Caldwell, Enid, fa-So..Vernal
 Calkins, Mary Lou, ap-F....
Meridian, Idaho
 Call, Audra Lucille, ss.....
Rigby, Ida.
 Call, Bud, ss, Idaho Falls, Ida.
 Call, Dean E., a-Sp
Pocatello, Ida.
 Call, Dean Perry, ap-F.....
Rigby, Ida.
 Call, Dove, fa-So....Boise, Ida.
 Call, J. Harold, c-F
Sparks, Nev.
 Call, Joyce, a-F Ukiah, Calif.
 Call, Lowell Eliason, e-J....
Bancroft, Ida.
 Call, Merrill B., e-F.....
Idaho Falls, Ida.
 Call, Roger L., a-F
Roseville, Calif.
 Call, Shirley, e-F.....Vernal
 Callahan, Mary R., c-J-ss..
American Fork
 Callister, Colleen, ap-F.....
Spanish Fork
 Callister, E. Marilyn, fa-F..
Spanish Fork
 Camenish, Lucile, ap-So, Provo
 Cameron, D. Eccles, c-Sp, Provo
 Cameron, J. Elliott, c-So....
Springville
 Campbell, Don Arden, a-So..
Emmett, Ida.
 Campbell, James Clayton, ap-
 FProvo
 Campbell, Sarah, fa-Sp..Provo
 Candland, David M., a-So, Provo
 Candland, Una, fa-Sp....Lehi
 Canning, Ray Russell, G....
Afton, Wyo.

- Cannon, Elaine, ap-J.....
 St. George
 Cannon, George S., G.....Provo
 Cannon, Gerald W., a-F....
 Circleville
 Cannon, Norma V., ap-J, Provo
 Cannon, Willard Lester, G...
 Salt Lake City
 Card, Aaron Christensen, fa-
 Edmonton, Alberta, Can.
 Card, Lester Charles, a-J...
 Edmonton, Alberta, Can.
 Card, Lincoln John, ap-Unm
 J...Edmonton, Alberta, Can.
 Cardon, Louis Bellamy, a-F
 Florence, Colo.
 Carlile, Dorothy, ap-So..Provo
 Carlile, Lewis A., a-J..Kamas
 Carling, Otis, G.....Provo
 Carlson, Don Evan, c-F, Eureka
 Carlson, Irene Marie, ss, Provo
 Carlston, John Robert, a-F..
 Ephraim
 Carlton, John Nellow, a-F..
 Provo
 Carlton, Lloyd R., ap-F, ..Lehi
 Carpenter, George Robert, a-
 F.....Spanish Fork
 Carrick, Donna Irene, c-F..
 Albuquerque, N. M.
 Carroll, Leland Roy, fa-So..
 Vernal
 Carson, Leaone F., ss.....
 Cedar Valley
 Carter, Almina May, fa-F..
 Ogden
 Carter, Jack Riley, a-So, Prove
 Carter, Melba Marie Beck-
 man, ap-S..Los Angeles, Cal.
 Casaday, Lena c-Sp, Springville
 Casaday, Raymond Earl, c-
 F.....Springville
 Case, Gwen, a-F..Mt. Emmons
 Casper, Elaine, c-F Rigby, Ida.
 Casper, James Orville, a-F
 Mesa, Ariz.
 Castillo, Esteban P., a-F-ss
 Mexico City, Mex.
 Castle, Elias Smith, G.....
 Salt Lake City
 Castleton, Richard L., a-S..
 Salt Lake City
 Chadwick, James Paul, c-S..
 Salt Lake City
 Chadwick, James Paul, c-S
 Preston, Ida.
 Chadwick, Keith Elroy, a-So
 American Fork
 Chaknias, Garefalia, a-So....
 Spanish Fork
 Chamberlain, Valden, ap-So
 Orderville
 Chambers, Frank B., G...Provo
 Chambers, Max W., c-S.....
 Spanish Fork
 Chance, Genevieve M., c-F..
 Albuquerque, N. M.
 Chandler, Samuel C., c-J....
 Pocatello, Ida.
 Chandler, Thelma May, a-F
 Weiser, Ida.
 Chantrill, Clayton Earl, e-J.
 Provo
 Chapman, Arthur O., G.....
 Heber City
 Chapman, Ray Lavar, a-F Lehi
 Char, Jean Fung, fa-F-ss..
 Honolulu, Hawaii
 Chase, Iola Beth, a-F....
 Salt Lake City
 Chatterton, R. Wayne, G-ss
 Lehi
 Chaves, Anthony Don, c-F..
 Provo
 Cheatham, Guenevere, fa-J..
 Greybull, Wyo.
 Cheatham, Norma Adelle, fa-
 So.....Greybull, Wyo.
 Cheney, Mary V., ap-F.....
 Los Angeles, Calif.
 Cheney, Thomas E., ss.....
 Blackfoot, Ida.
 Child, Junior Wright, c-S..
 Claremont, Calif.
 Childs, Fred Devere, a-F....
 Springville
 Childs, Gilbert E., ss, Gunnison
 Childs, Gordon Bliss, a-F...
 Springville
 Chipman, Delbert Ray, ap-
 F.....American Fork
 Chipman, Elmer Parker, a-
 J.....American Fork
 Chipman, Ora H., ss.....
 American Fork
 Chipman, Ralph S., ss.....
 Huntington
 Christensen, Aenone Woolf,
 ss.....Provo
 Christensen, Alro Max, a-F
 Kenilworth
 Christensen, Anne, fa-So....
 Las Vegas, Nev.
 Christensen, Betty Rae, ap-F
 Mt. Pleasant
 Christensen, Clair Maurice, a-
 F.....Richfield
 Christensen, Del Moine, G..
 Springville
 Christensen, Dona Lou, fa-F
 Elsinore

- Christensen, Donald Jay, c-F Provo
 Christensen, Elayne, a-J, Provo
 Christensen, Gene, a-F..... Shelley, Ida.
 Christensen, Geraldine, ss... Safford, Ariz.
 Christensen, Geraldine, ss... Bountiful
 Christensen, Gloria, c-F..... Springville
 Christensen, Helen, ss Springville
 Christensen, Herbert K., ss... Springdale
 Christensen, Homer, a-J, Delta
 Christensen, Joan, fa-So.... Brigham City
 Christensen, Joyce Elenore, ss Los Angeles, Calif.
 Christensen, Karma Johanne ap-S Elsinore
 Christensen, Lars Odell, c-S ss Pleasant Grove
 Christensen, Lillian A., ss... Provo
 Christensen, Lillian F., ss... Fillmore
 Christensen, Lynn Reece, a-F Salem
 Christensen, Mary Ellen, fa-J Summit, N. J.
 Christensen, Miriam, fa-F... Provo
 Christensen, Rex LeRoy, e-F Blackfoot, Ida.
 Christensen, Roberta Mae, ap-F..... Summit, N. J.
 Christensen, Ross Taylor, G Rexburg, Idaho
 Christensen, Sadie Curtis, ss Provo
 Christensen, Shirlee, a-So, Orem
 Christensen, Theo. J. W., fa-Sp Provo
 Christensen, Val Edgar, c-So Levan
 Christensen, Viola, e-So, Provo
 Christensen, Wilma, ss..... Antonito, Colo.
 Christiansen, Ballard J., fa-J Fountain Green
 Christiansen, Eloise, c-F, Provo
 Christiansen, John M., a-S... Pleasant Grove
 Christiansen, Nola V., ss.... Monroe
 Christman, Albert Bennion, a-F Beaumont, Tex.
 Church, Evelyn, e-F.... Kanab
 Church, Woodrow Henry, a-S-ss Escalante
 Clark, Anna Deon, fa-J, Tooele
 Clark, Barney Bailey, a-So Provo
 Clark, Betty Jean, a-So.... Oakland, Calif.
 Clark, Carl Donald, G..... Heber City
 Clark, Carol, ap-F..... Spanish Fork
 Clark, Carol, fa-So.... Provo
 Clark, Clarence R., fa-J.... Peru, Ind.
 Clark, Ciella, ap-So, Bountiful
 Clark, Don Forrest, a-F.... Coalville
 Clark, Don S., a-So, Provo
 Clark, Donna, ap-F.... Morgan
 Clark, Doris, fa-F-ss.... Provo
 Clark, Evelyn Claire, a-F... Provo
 Clark, Hyrum Winfield, e-Sp Provo
 Clark, Jack, ap-F..... Provo
 Clark, Jack O., fa-F Springville
 Clark, James Ratcliffe, ss... Provo
 Clark, Jean LaRue, a-So.... Redwood City, Calif.
 Clark, Joyce, fa-So.... Provo
 Clark, Kay L., a-F Menan, Ida.
 Clark, Lila R., fa-F, Wellsville
 Clark, Louise Jenkins, fa-Sp Provo
 Clark, Margaret, ap-F..... Salt Lake City
 Clark, Marion Edith, e-So... Anoka, Minn.
 Clark, Marrial, ap-S-ss, Provo
 Clark, M. Jean, e-Unm.... Lehi
 Clark, Naomi, e-So, Farmington
 Clark, Owen, fa-F Salt Lake City
 Clark, Paul D., a-F, Provo
 Clark, Pauline, a-Sp.... Provo
 Clark, Phyllis, e-S..... Provo
 Clark, Ray Hardy, a-F..... Springville
 Clark, Rich Ellis, c-F, Morgan
 Clark, Robert S., a-F.... Provo
 Clark, Sarah S., e-Sp, ... Provo
 Clark, Vern W., e-F.... Alpine
 Clark, Virginia B., a-J Panguitch
 Clark, Wayne L., c-F, Morgan
 Clawson, Truman Fox, a-F... Manhasset, L. I., N. Y.
 Clayson, Gaylia, a-Unm.... Santaquin
 Clayson, Lawrence W., G.... Santaquin

- Clayton, Carol Jeanne, c-F.. Centerville
 Clayton, Jack W., c-F.. Provo
 Clayton, Margaret Edith, a-J .. Salt Lake City
 Clegg, Carl B., a-So.... Provo
 Clegg, Elaine, a-F..... Provo
 Clegg, Floyd Wallace, e-F Orem
 Clegg, Helen, a-So..... Provo
 Clegg, Howard D., fa-F.... Springville
 Clegg, Janet Ruth, e-So, Provo
 Clegg, LaVerl, a-F..... Ogden
 Clegg, Lona Mae, fa-So.... Blackfoot, Ida.
 Cleghorn, Douglas Willard, a-F .. American Fork
 Clement, Keith Horace, fa-F .. Oakland, Calif.
 Clement, Rita, fa-So..... Oakland, Calif.
 Cleverly, Donald Booth, c-So .. Woods Cross
 Clifford, Louise V., ap-Unm .. Boise, Ida.
 Clinger, Morris M., G.... Provo
 Close, Wayne Coleman, a-F .. Provo
 Cloward, Vera H., ss, Payson
 Clyde, Mary, a-F., Milwaukee, Wis.
 Clyde, Ruth, c-J .. Logan
 Coble, Mary Edith, e-J..... Bonners Ferry, Ida.
 Coburn, Calvin Hammond, e-F .. Logan
 Coffin, Ruth, a-So..... Salt Lake City
 Coffin, Charles F., a-F..... Salt Lake City
 Coffman, Glenn W., G .. Springville
 Colby, Maurine, ap-F.. Sigurd
 Cole, Arthur George, a-F, Provo
 Cole, Marjorie Ann, ss .. Porterville, Calif.
 Cole, Willis E., a-F..... Palo Alto, Calif.
 Coleman, Eldonna Rose, ss .. Lyndyl
 Coleman, Genevieve, a-F, Provo
 Coleman, Ilean, a-F..... Cardston, Alberta, Can.
 Coleman, Robee, fa-Sp.. Provo
 Coleman, Sherman S-a--Sp.. Provo
 Collard, Carol Larue, e-J, Provo
 Collard, Claren Robert, c-So .. Provo
 Collett, Farrell R., G.... Ogden
 Collett, LaRae, fa-F..... Richmond, Calif.
 Collings, Charles Mack, fa-F .. Springville
 Collins, Delphia, ap-So..... Salt Lake City
 Collins, E. Reed, G..... Provo
 Collins, Luana May, e-J.... North Ogden
 Colton, Ray C., G..... Provo
 Combe, Charles Albert, a-F.. Ogden
 Compton, Annie Rosella, fa-F .. Morgan
 Conant, Arlin D., c-F.... Provo
 Conant, Robert Earl, a-F, Provo
 Condie, Betty Jane, e-F Midvale
 Condie, Mary Jane, a-F..... Springville
 Conley, Preston D., a-F..... Afton, Wyo.
 Connell, Wm., G .. Provo
 Conrad, Robert James, c-F.. Provo
 Cook, Dorothy Elaine, c-F.. Baker, Ore.
 Cook, Edith, a-F.... Roosevelt
 Cook, Grant Osmond, ss.... Tremonton
 Cook, Johnnie J., ss, Duchesne
 Cook, Leland Jay, ap-Unm.. Shelley, Ida.
 Cook, Noel L., a-So, Tremonton
 Cook, Phyllis, a-So, Tremonton
 Cook, Rose Marie, ss, Duchesne
 Cook, Wendell Allen, fa-F.. Salt Lake City
 Cooley, Grace Marchant, ap-F .. Peoa
 Coombe, Betty L., ss..... Orem
 Coombs, Barbara, fa-S..... Salt Lake City
 Coombs, Ellis D., e-Sp, Fairview
 Coon, Ward Smith, fa-F.... Garfield
 Cooper, James Orville, a-F.. Mesa, Ariz.
 Cooper, John B., e-F.... Lehi
 Cooper, LaRene H., ss.. Ogden
 Cooper, Nadine, a-Unm, Provo
 Cooper, Zola Elizabeth, fa-F .. Lyndyl
 Corbell, Dion W., a-J..... Spanish Fork
 Corbett, Gladys Brimhall, ss .. St. George
 Cordner, Blaine, c-J..... Orem
 Cornaby, Mary Johnson, ss.. Spanish Fork
 Cornaby, Robert Allen, c-S.. Spanish Fork
 Cottam, Margery Bee, a-J... Evanston, Ill.

- Cotterell, Grace Erma, fa-F... Marysville, Ida.
 Cottle, Betty Jean, ap-J... Rexburg, Ida.
 Cottle, LaRue, c-S-ss... Rexburg, Ida.
 Cowan, Darlene, e-S-ss, Payson
 Cowan, Maurine, e-S-ss, Payson
 Cowles, Marian Louise, e-J... Ogden
 Cowley, A. Wayne, G... Provo
 Cowley, Shirley Glee, c-So... Venice
 Cox, Arlene, ap-So, Orangville
 Cox, Carl Taylor, a-F... Provo
 Cox, Carol, ap-So... Nephi
 Cox, Diantha, e-J, Shelley, Ida.
 Cox Donald C., a-S., Fairview
 Cox, Helen McArthur, c-Sp-ss... Provo
 Cox, Janyce H., ss... Provo
 Cox, Lily Ruth, ss... Salt Lake City
 Cox, Thelma, a-Unm, St. George
 Cram, Jean Lorraine, fa-F... Denver, Colo.
 Crandall, Barbara J., a-So... Mesa, Ariz.
 Crandall, Beth M., a-S... Provo
 Crandall, Betty, a-Sp... Provo
 Crandall, Connie Ann, c-Sp... Provo
 Crandall, Floyd Wm., c-J... Springville
 Crandell, Kathryn May, fa-F... Aztec, New Mexico
 Crandall, Lilas, a-F... Rupert Idaho
 Crandall, Lowell W., G... Springville
 Crandall, Marilyn, a-F... Springville
 Crandall, Twilla, fa-F... Heber, Ariz.
 Crane, Florence Alice, fa-Sp... Nephi
 Crane, Gordon Reed, a-F, Provo
 Crane, Karen, e-J, Preston, Ida.
 Crane, Lorna W., c-S, Draper
 Crane, Willa Ann, c-S, Draper
 Cranney, LuRae, a-F... Oakley, Ida.
 Craven, John Arthur, ap-F... Provo
 Crawford, Jasper Louis, a-S... Springdale
 Crawford, Marian, a-F... Salt Lake City
 Creer, Anna Marie, a-F... Spanish Fork
 Critchfield, Jared Bernard, a-So, Magrath, Alberta, Can.
 Critchlow, Elinor, ss... Provo
 Critchlow, Patricia, fa-J, Ogden
 Croft, Albert Paul, a-F... Pleasant Grove
 Crofts, Marjorie Rust, e-S... Glendale
 Cromar, Bonnie Jean, c-S... Pleasant Grove
 Cromar, Jack Jeppson, a-J... Pleasant Grove
 Crook, Robert, ap-F, Heber City
 Crosby, Doris Elizabeth, ap-J... Beaumont, Tex.
 Croshaw, Billie Lou, a-F... Red Bluff, Calif.
 Crowther, R. Eldon, G... Provo
 Crowther, Valeea, a-So... Tremonton
 Crum, Gene R., c-F... Provo
 Crum, George W., a-So... Provo
 Crump, Ronal J., c-F, Payson
 Crump, B. Wayne, c-F, Provo
 Culler, Adah Eleanor, ss... Romeo, Colo.
 Cullimore, Eunice, fa-Sp, Provo
 Cullimore, Karma Jean, a-S-ss... Provo
 Cullimore, Odessa A., ss, Provo
 Cummings, Carol, a-F... Heber City
 Cunningham, Mack B., a-S... Provo
 Cunningham, Morris H., ap-So... Sanford, Colo.
 Cunnington, Shirley, c-J... Hooper
 Curtis, Delbert Wells, a-F... Payson
 Curtis, H. A., G... Payson
 Curtis, Marie Standley, a-F... Meridan, Ida.
 Cushing, Donna E., c-Sp... Bountiful
 Dabbling, Bruce R., a-So, Provo
 Dabbling, Richard L., ap-F... Lund, Ida.
 Dahl, Reed Meldrum, a-Unm... Raymond, Alberta, Can.
 Dahlen, Pearl, e-Sp... Provo
 Dallen, Ruth Marie, a-F... Mount Horeb, Wis.
 Dalby, Glen A., fa-F... Salt Lake City
 Dalby, Lois, a-F... Los Angeles, Calif.
 Dalby, Ralph Lisle, ap-So... Los Angeles, Calif.
 Dalebout, M. Harold, c-S, Ogden
 Dalebout, Martin John, c-F... Ogden
 Daley, Wanda Hill, ss... Provo

- Dalton, Donavon, c-So, Eureka
 Dalton, Ellen Harriet, c-F, Moab
 Dalton, Richard H., c-F.....Salt Lake City
 Dame, Lorraine, c-J....Ogden
 Dance, Nadine, ap-FBlackfoot, Ida.
 Dangerfield, Alma Dean, a-JProvo
 Dangerfield, Carol Aileen, ap-FProvo
 Dangerfield, Elaine, c-F, Provo
 Daniel, Ivy G., fa-Sp....Provo
 Daniels, Daisy Dean, fa-So...Spanish Fork
 Daniels, Phyllis Bowen, a-SpSpanish Fork
 Daniels, Rex Owen, a-F....Spanish Fork
 Darais, Alex Basil, fa-F....Santa Monica, Calif.
 Dauwalder, Mary Ellen, c-S...Provo
 David, Isabel, a-So.....Provo
 Davidson, Anna Vernessa, a-S-ssSt. Anthony, Ida.
 Davidson, Thelma, fa-So....St. Anthony, Ida.
 Davies, Anagene, fa-Sp, Provo
 Davis, Albert Marion, ap-S...Bicknell
 Davis, Ariel Rual, a-S...Provo
 Davis, Barbara Nielsen, ap-JSpanish Fork
 Davis, C. Ralph, G ...Payson
 Davis, D. Clyde, a-F....Provo
 Davis, Delmar Boyd, a-F, Orem
 Davis, E. Joye, a-F.....Grand Junction, Colo.
 Davis, Florence, ap-So.....St. Anthony, Idaho
 Davis, Francis Keith, a-F...Springville
 Davis, Gwen, a-FLas Vegas, Nev.
 Davis, Kenneth Laurence, a-JLos Angeles, Calif.
 Davis, LoLamae, ssAlbuquerque, N. M.
 Davis, Marion, c-F, Springville
 Davis, Mattie Ann, ss, Provo
 Davis, Maxine, c-F.....Provo
 Davis, Pamela, e-Unm.....Las Vegas, Nev.
 Davis, Virginia June, a-F...Independence, Mo.
 Davis, Vonnice Beth, a-UnmGlendale, Calif.
 Dawson, Ruth, e-F.....Provo
 Day, Carl Frederick, ap-UnmAmerican Fork
 Day, Clinton Erwin, a-So....Fillmore
 Day, Ladd Robins, ss, Fillmore
 Day, Lawrence E., a-F.....American Fork
 Day, Robert Bruce, a-So....Fairview
 Daynes, Joseph Richard, a-SoSalt Lake City
 Deakin, Motley Fremont, a-SEpharim
 Dean, Elva Crosbie, G-ss, Provo
 Dean, Leo A., fa-So-ss, Provo
 Dean, Roberta May, c-J, Provo
 Dean, Ruby J., ss....Ephraim
 Dearden, Ross Lavelle, c-SHenefer
 Decker, Betty Lesley, a-F...San Mateo, Calif.
 Decker, Cleona Anne, fa-F...Kirtland, N. M.
 Decker, Craig Adams, a-J...Kirtland, N. M.
 Decker, Pearl Adams, ss....Salt Lake City
 DeGraff, Jay W., c-J Heber City
 DeLaMare, Betty Jean, fa-FProvo
 DeLong, Clair Lance, a-J...Salt Lake City
 DeLong, Joseph H., a-So....Portland, Oregon
 Demos, Margaret Ann, c-UnmProvo
 Demos, Paul T., a-Sp....Provo
 Denham, Ross B., e-F...Provo
 Denning, LaRae, e-F.....Idaho Falls, Ida.
 Deschene, Irene, c-Sp.....Tuba City, Arizona
 Despain, Roy, e-Sp, Springville
 Devey, Don Earl, a-F, Alpine
 Dewsnap, Jac! Charles, a-SoEl Cerrito, Calif.
 Dewsnap, Mavis, ap-So, Deseret
 Dickson, Dorothy, fa-F.....Kalispell, Mont.
 Dickson, Josephine, ap-So...Layton
 Dieu, Vernon C., c-S-ss, Ogden
 Distefano, James Woodrow, a-FProvo
 Dixon, Clyde B., c-J....Provo
 Dixon, Eldon Arnold, fa-So...Provo
 Dixon, Gloria May, ap-F, Provo
 Dixon, Mary Lou, fa-So, Provo
 Dixon, Melvin R., a-F, ..Provo
 Dixon, Owen G., e-S....Provo
 Done, Adeline, fa-So....Provo
 Done, Robert Preston, fa-F ssProvo

- Donkin, Raymond R., a-F...
 Burley, Idaho
 Donnelly, Maxine, a-F.....
Oakland, Calif.
 Dorny, Jean Eleanor, fa-F
Salt Lake City
 Downard, John Dolan, c-J...
 Spring City
 Downard, Vera, ss, Spring City
 Downs, Howard Thomas, e-
 F Orem
 Drake, Yvonne Marie, fa-So
 Burley, Idaho
 Draper, Everett C., e-Sp-ss...
 Salt Lake City
 Draper, Phyllis Ann, a-So...
 Midvale
 Drissell, Jeanne, ap-F...Provo
 Drissell, Lorraine, fa-S-ss...
 Provo
 Drollinger, Velda M., a-So...
 Richmond
 Duckett, Beverly, c-F...Provo
 Duckworth, Gertrude Mae,
 ap-So Nephi
 Dudley, Harry Dean, c-So...
 Spanish Fork
 Duke, Junius Lyle, ap-So....
 Burley, Ida.
 Duke, Lorene Jean, c-F.....
 Heber City
 Dummer, Mavis Arlene, a-So
 Burley, Ida.
 Dunford, Alma Rex, c-F, Provo
 Dunford, Meryl, c-Unm, Provo
 Dunford, William Stanley Jr.
 a-So Provo
 Dunkley, Francine, fa-F....
 Preston, Ida.
 Durfee, Leila, c-F-ss...Aurora
 Durfee, Lola, ssAurora
 Durkee, King E., ss.....Ogden
 Durnell, V. Bertha, fa-Sp-ss
 Provo
 Durrant, Duane M., e-F.....
 American Fork
 Durrant, Stewart A., e-F....
 American Fork
 Durrant, Walter E., e-F.....
 American Fork
 Dusenberry, Robert Kelly, a-
 J Provo
 Dutson, Kendall ss.....Provo
 Dutson, Melvin Jay, a-F, Provo
 Dyches, Thos. W., G.....Provo
 Dyches, Winnifred M., fa-J
 Monroe
 Dyck, Walter Dietrick, a-J-ss
 White Water, Kan.
 Dyer, Lorna Jean, fa-Sp, Provo
 Dyer, William Gibb, a-So....
 Portland, Ore.
- Dyreng, Claire, a-So....Manti
 Eames, Lila, ap-So, Bountiful
 Earl, Connie Mae, a-F.....
Las Vegas, Nev.
 Earl, Don Lee, G
Las Vegas, Nev.
 Ebenstein, Barbara S., e-Sp
 ss Orem
 Eckersley, Elsie Hermine, a-
 F Payson
 Eder, Charlotte Schulz, c-Unm
 Provo
 Edmunds, Esther O., G...Provo
 Edmunds, Patricia Dell, e-
 So..... Provo
 Edward, Merlyn Helen, fa-F
 Salt Lake City
 Edwards, Helen B., fa-Sp, Provo
 Edwards, Shirley, ss.....Provo
 Eggertsen, R. LaMarr, a-S..
 Provo
 Eggleston, Dorothy Holda-
 way, ssHeber City
 Ekins, Geniel Mower, c-Sp..
 Provo
 Ekins, Shirley Leo, a-F...Provo
 Elder, Jos. F., a-Unm-ss, Provo
 Elder, Lorenzo D., a-F, Orem
 Elder, Olive, a-Sp.....Provo
 Elder, Reta Louise, fa-F-ss
 Provo
 Eliason, Genevieve L., c-S-ss
 Deseret
 Ellertson, Agnes Lona, ss, Mona
 Ellertson, Donna, a-J-ss, Provo
 Ellertson, Ephraim Kent, a-
 F Mona
 Ellertson, G. Madge, ss, Mona
 Elliott, Elwin Hurd, fa-J, Provo
 Ellis, Dorothy Mae Halls, a-
 Sp-ss Mancos, Colo.
 Ellsworth, Genevieve, G, Provo
 Ellsworth, Lela Young, ap-
 So Provo
 Ellsworth, Myrna Lee, ap-F
 Higley, Ariz.
 Ellsworth, Reid Flamm, a-J
Pocatello, Ida.
 Ellsworth, Thyrlie Edmond,
 fa-F El Monte, Calif.
 Ellsworth, Von Lott, fa-F..
 Berkeley, Calif.
 Ellsworth, Winifred, ap-So..
 Mesa, Ariz.
 Elmer, Emma Lewis, ss, Magna
 Emmett, Myrtle, ap-F Richfield
 Empey E. D'On ss.....Price
 Ence, Janice, c-F.....Richfield
 Ence, Joyce, c-F.....Richfield
 England, Ruth W., a-S-ss..
 Tooele
 Englestead, Arlene, ss, Kanosh

- Ennis, Harry Hughes, a-F... Provo
 Ercanbrack, Ruth Ann, a-S... Provo
 Erickson, Elaine Lucile, fa-F... Richland, Wash.
 Erickson, Francis Willis, a-S... Coeur d'Alene, Ida.
 Erickson, Joyce Ann, a-So... Glendale, Calif.
 Erz, Kathryn Seaton, fa-Unm... Ogden
 Escabedo, C. Margaret, fa-Unm... Los Angeles, Calif.
 Eskelson, DeVan Oscar, a-So-ss... Emmett, Ida.
 Eskelson, Elene S., fa-F... Richmond
 Esplin, Ross Stolworthy, a-J... Orderville
 Evans, Bert Phillip, a-F, Provo
 Evans, Donald N., c-J... Lehi
 Evans, Glenn Jensen, c-J... Spanish Fork
 Evans, Janeth Ann, fa-F... Oakland, Calif.
 Evans, Jean, a-F... Moab
 Evans, John Alldridge, G, Provo
 Evans, Kenneth Lamare, c-F... Provo
 Evans, LaRae, fa-So... Lehi
 Evans, Laura Jeanne, fa-Unm... Lehi
 Evans, Mae, a-F, Salt Lake City
 Evans, Margaret, fa-F... Salt Lake City
 Evans, Marilouise, fa-F... Salt Lake City
 Evans, Reed J., a-So... Spanish Fork
 Ewell, Barbara Fae, e-Unm... Spanish Fork
 Ewing, Howard Reese, c-F... Springville
 Eyring, Elaine, a-F-ss, Provo
 Eyring, Robert C., a-So-ss... Provo
 Facer, Donna, ap-F... Bedford, Wyoming
 Facer, Keith Holbrook, a-F... Provo
 Fackrell, M. Jeanne, a-So... Bountiful
 Fagg,Carolynn, a-F... Salt Lake City
 Fairbanks, Avilda, e-F, Provo
 Fairbanks, Ellen, a-Sp, Provo
 Fairbanks, Oliver Kendall, e-F... Salt Lake City
 Farley, Merrill A., ap-J, Provo
 Farmer, Wanda Delores, ap-Colonia Dublan, Chih., Mex.
 Farnsworth, Barbara, ap-So... Beaver
 F... Boise, Idaho
 Farnsworth, Alberta, a-So...
 Farnsworth, Shirley Maxine, fa-So... Redwood City, Cal.
 Farrer, RoDene Marie, a-Unm... Provo
 Fautin, Teddy W., a-F... Pleasant Grove
 Faux, Ferry J., ss, Spanish Fork
 Faux, Neal Dean, a-F... Spanish Fork
 Fehlbberg, Siegfried Henry, ap-F... Shelby, Mont.
 Felix, LaZell, e-F, Springville
 Felsch, George Walter Jr., c-So... Palo Alto, Calif.
 Felsch, June Evelyn, ap-So... Palo Alto, Calif.
 Felt, Lygia, ap-Sp... Provo
 Fenn, Rey L., e-S, Benson, Ariz.
 Fenton, Estell, ap-F, Parowan
 Ferguson, Betty Elvira, fa-Sp... Denver, Colo.
 Ferguson, Boyd Earl, a-F... Provo
 Ferguson, Eugene Slater, c-F... Midvale
 Ferre, Leo Stubbs, a-So, Provo
 Ferre, Sherl D., a-F... Provo
 Ferrin, Barbara, fa-J-ss... Chico, Calif.
 Ferrin, Bernice, ap-F... Thatcher, Ariz
 Fielding, Dorothy Stratton, c-Sp... Orem
 Fielding, Max J., a-So... Orem
 Fife, Ruth, a-Unm... Burlingame, Calif.
 Fillmore, Keith Richard, c-F... Burley, Ida.
 Fillmore, Lorna Cowley, a-F... Venice
 Fillmore, Paul G., a-Sp, Provo
 Finch, Rosa Mae, fa-F... Orem
 Finlayson, Bonita, ap-F Murray
 Finlayson, Kathryn Smith, G... Pocatello, Ida.
 Finley, Bessie, ss... Springville
 Finlinson, Esdras Reece, fa-F... Oak City
 Firmage, Mary Brown, ss, Provo
 Fischer, Hyrum Oscar, a-Unm... Sacramento, Calif.
 Fischer, Robert LaVern, c-J... Jefferson City, Mo.
 Fish, Beuna Rose, a-F... Mesa, Ariz.
 Fisher, Ardath Eloise, c-Sp... Spanish Fork
 Fisher, Asael H., G... Provo

- Fisher, Elayne Taylor, G, Provo
 Fisher, Fern, ap-F, Heber City
 Fisher, Truman Rex, ss....
 Santa Maria, Calif.
 Fisher, Vonda, ap-J, Rigby, Ida.
 Flanders, Homer Nyal, a-J
 Salt Lake City
 Flanders, Ruth Elaine, ap-J
 Chicago, Ill.
 Fleetwood, Ellen, a-F.....
 Baker, Oreg.
 Fletcher, E. Elizabeth, ap-
 SoPark City
 Fletcher, Hazel, G-ss... Provo
 Fletcher, Merle, ap-So.....
 Salt Lake City
 Flint, Jean, c-F.....Layton
 Flint, Ruth H., fa-F, Layton
 Follett, Dorothy Maybelle, a-
 SoMedford, Mass.
 Folsom, Beatrice, a-F.....
 Hill Spring, Alberta, Can.
 Folsom, Lila B, fa-F.....
 Farmington
 Foote, Chlora Iown, e-J.....
 Salt Lake City
 Ford, Norma Jean, a-F, Provo
 Ford, Rosemary, a-F.....
 Farmington
 Forsey, Norma Elaine, c-S..
 Eureka
 Forsey, Richard Gilbert, c-F
 Eureka
 Forsyth, Richard Harrison, c-
 FProvo
 Foster, Betty Rose, e-F, Orem
 Foster, Lee Wade, a-F, Provo
 Fox, Norine, ssLehi
 France, Marleen, a-F.....
 Centerville
 Francis, Delores, fa-So.....
 Taber, Alberta Can.
 Francis, Douglas, c-So.....
 Taber, Alberta, Can.
 Francis, Ferne, fa-So
 Santa Ana, Calif.
 Francis, Rell Gordon, fa-So
 Taber, Alberta, Can.
 Francom, Harriet Bates, fa-
 Sp-ssPayson
 Frandsen, Mary M. Hales, fa-
 SpSpringville
 Frandsen, Richard Edwin, a-
 FProvo
 Frandsen, Russell Evan, e-
 GProvo
 Frandsen, Victor G., G.....
 Springville
 Franson, Oral M., a-F.....
 Springville
 Freckleton, Jennie L., e-S Provo
 Fredrickson, Grant, ap-J....
 Roosevelt
 Frederickson, Harold, e-J...
 Roosevelt
 Froerer, Lillian M., ss, Ogden
 Frogley, Henry Ronald, a-So
 Payette, Ida.
 Froisland, F. Christian, a-F
 Provo
 Frost, Herbert Hamilton, G
 Newport, R. I.
 Frost, Reed Leon, c-F.....
 Denver, Colo.
 Fugal, Boyd LeRoy, c-F....
 Pleasant Grove
 Fugal, John Paul, e-J
 Pleasant Grove
 Fukuda, Fred M., ss.....
 Poston, Ariz.
 Fullmer, Helen, e-So....Delta
 Fullmer, Melvin Bliss, a-F..
 Springville
 Fullmer, Nita Jeanne, c-J..
 Salt Lake City
 Furukawa, Takao, c-S-ss....
 Rivers, Ariz.
 Gadd, Ila Mann, fa-Sp, ..Provo
 Gadd, John William, a-J Nephi
 Gaddie, Lola Jean, fa-S Garland
 Gaestel, Herbert Joseph, a-
 FNewark, N. J.
 Gaisford, Elaine, a-So.....
 American Fork
 Gaither, Billie Amaryllis, c-
 F-ssProvo
 Galbraith, Betty Jean, fa-F
 Richland, Wash.
 Galgan, Susan Valerie, a-So
 Provo
 Gamble, James Junior, a-J
 Morgan
 Gamble, Neva, c-F
 Preston, Ida.
 Gambles, Barbara, c-F.....
 Swan Lake, Ida.
 Gammell, John Spencer, fa-
 FProvo
 Gammell, Robert William, c-
 FProvo
 Gammon, David Russell, ap
 UnmProvo
 Gardiner, John S., a-S.....
 Pleasant Grove
 Gardner, Cora, G ..Springville
 Gardner, Edgar M., a-F, Lehi
 Gardner, Edward Lovell, G
 Delta
 Gardner, Fred Elias, fa-F..
 Helper
 Gardner, Glen Albert, c-J, Provo
 Gardner, Ivin E., e-Sp-ss, Salem
 Gardner, Keith, ap-J.....
 Spanish Fork
 Gardner, Lois L., fa-S ..Provo
 Gardner, Lucille, ap-F.....

- Los Angeles, Calif.
 Gardner, Marion, c-So.....
 Grand Junction, Colo.
 Gardner, Russell Movelle, fa-
 S-ss Springville
 Gardner, Ruth, e-So..... Provo
 Gardner, Weldon James, a-
 So Salt Lake City
 Garff, R. Minnie, e-Sp.....
 Salt Lake City
 Garrett, Alma Lamar, e-J..
 Nephi
 Garrett, Ernest T., a-F... Lehi
 Garrett, M. Udene, a-F... Lehi
 Garrick, Donna Ann, c-F... Provo
 Gauchay, Catherine Hooper,
 ss Annabella
 Gauchay, Philip Rollo, a-F..
 Provo
 Gay, Bill, a-S..... Provo
 Geertsen, Celia Romney, fa-
 S Provo
 Gentry, Elizabeth M., e-Sp-
 ss Myton
 George, Scott W., e-So, Fillmore
 Gerrard, Elizabeth Alice, ap-
 F Murray
 Geslison, Lola S., c-J.....
 Spanish Fork
 Gibb, Charlotte Webb, a-Sp..
 Provo
 Gibb, Jack R., G Provo
 Gibson, Clarice Ellen, e-F..
 Midway
 Gibson, Irma B., fa-Sp.....
 Las Vegas, Nev.
 Gibson, Kathleen, a-Unm....
 Los Angeles, Calif.
 Gibson, Moses Carl, fa-J....
 Las Vegas, Nev.
 Gilbert, LuDean, ap-F.....
 Bancroft, Ida.
 Giles, Anna Lou, ss.... Provo
 Giles, Floyd Knight, ap-G...
 Provo
 Gillespie, Horace Dell, e-F..
 Tooele
 Gillespie, Melba, fa-F-ss....
 San Pedro, Calif.
 Gillette, Marjorie, fa-F, Tooele
 Gillies, Una, ss.... Green River
 Ginn, Leta Marcein, c-So....
 Greenville, S. C.
 Giroux, Joseph Fabian, a-J..
 Cleveland, Ohio
 Gittins, Alvin Loraine, fa-J
 F..... London, Eng.
 Gittins, Gwendolen Ellis, a-
 F London, nEg
 Glazier, Eileen, e-F.... Nephi
 Gleason, Jennie, e-Sp-ss....
 Pleasant Grove
- Gleave, Ray Haun, c-J.....
 Annabella
 Gleave, Shirley Ann, e-S....
 Annabella
 Goates, Glenda Viri, e-F....
 Centerfield
 Goates, Rhoda May, ap-S....
 St. George
 Goates, Wayne A., a-F.... Lehi
 Goering, Harvey Lloyd, a-Sp
 ss Moundridge, Kan.
 Goering, Viola E., fa-Sp-ss...
 Provo
 Goodall, Charles Alva, a-J..
 American Fork
 Goodrich, Darrell, ap-Sp-ss
 Tridell
 Goodrich, Verona, ss, Bluebell
 Goodson, Nona Maughan, ss
 Provo
 Goold, R. H., G..... Provo
 Gordon, Howard H., c-F....
 American Fork
 Gottfredson, Marion, c-J, Logan
 Goulding, Lavar O., c-F, Orem
 Gourley, Carlyle George, a-
 F Provo
 Gourley, David Richard, ap-
 F Pleasant Grove
 Graden, Alice Mae, c-F.....
 Seattle, Wash.
 Graff, Chester, G Provo
 Graham, Ashley, a-F.....
 Fair Oaks, Calif
 Graham, Floyd E., e-J-ss...
 Salt Lake City
 Graham, Mildred June, a-F..
 Sunnyside
 Graham, Richard, fa-S, Fair-
 view
 Graham, Shirley D., c-F, Fair-
 view
 Grange, Russell D., c-S, Price
 Grant, Barbara Bithell, ap-F
 McGill, Nev.
 Grant, James Nash, a-F....
 American Fork
 Grant, Myrten Francis, a-F
 Lehi
 Grant, Pauline, ap-F..... Lehi
 Gray, Dean W., a-F.... Provo
 Gray, Earl Lloyd, a-F.... Lehi
 Gray, Kenneth D., a-F.....
 Lorenzo, Idaho
 Gray, Marvel T., ss..... Lehi
 Gray, Mary Arlene, a-F.....
 Idaho Falls, Ida.
 Green, Ada Birch, ap-Sp, Provo
 Green, Geraldine, fa-F, Provo
 Green, Herman Jr., ss... Provo
 Green, Louise, fa-J Pima, Ariz.
 Green, Vivian, c-J.....
 American Fork

- Greenhalgh, Ralph Clark, e-F Nephi
 Greenhalgh, Richard, a-F..... Santaquin
 Greenhaw, Marcia, fa-S-ss..... Chicago, Ill.
 Greenwood, Gene Calvin, a-F..... Sandy
 Greenwood, Rex Boyd, a-J..... Nephi
 Greenwood, Vern Robert, a-F Provo
 Greer, June Sybil, c-F, Provo
 Griffin, Lewis Lorenzo, a-F..... Escalante
 Griffin, Lois, ap-So, Roosevelt
 Griffin, Maurine, ap-F..... Rexburg, Ida.
 Griffiths, Jesse J., a-So..... Weston, Ida.
 Griffiths, Lona June, c-F..... Salt Lake City
 Griggs, Ronald Maynard, fa-F Eureka
 Grimmitt, Ann, a-F Paris, Ida.
 Griner, Verda c-J, Phoenix, Ariz.
 Groesbeck, J. Rowe, G, Payson
 Groneman, Gloria Orrilla, a-So Provo
 Groneman, Orrilla, ss ... Provo
 Gross, Evelin Virginia, fa-F..... Portland, Ore.
 Gross, Mary Alice, a-F..... Evanston, Wyo.
 Gubler, Donworth, e-J, LaVerkin
 Guild, Roberta, ap-So..... Spanish Fork
 Gunn, J. Harold c-F..... Los Angeles, Calif.
 Gunn, Richard L., e-S..... Salt Lake City
 Gurr, Ray Dean, a-F..... Los Angeles, Calif.
 Gurr, Thomas Robert, ... Provo
 Guthrie, Anna Charmaine, c-F Mesa, Ariz.
 Gwilliam, Doris Marie, fa-So Boise, Ida.
 Gwilliam, Jennie Maurine, fa-So Provo
 Gwilliam, Ray Whiteley, a-F Helper
 Gwilliam, Stanford, a-So..... Baker, Ore.
 Gwynn, Elaine, ap-J..... Washington, D. C.
 Gwynn, Gwendolyn, ap- F... Washington, D. C.
 Hacking, LaVerle Thomas, a-J Cedar Valley
 Hacking, Ralphena, ss, Provo
 Hacking, Venna, ap-F..... Cedar Valley
 Hafen, Joseph, a-So..... Provo
 Hafen, Mary, c-So, Mt. Pleasant
 Hafen, Mavis, a-J..... Provo
 Haggerty, Charles E., G. Provo
 Hair, Kay Lewis, a-F... Kamas
 Hakes, Francis Russell, G... Malad, Ida.
 Hale, Norma, c-F..... Idaho Falls, Ida.
 Hale, Quentin S., a-S..... Oakley, Ida.
 Hale, Verda, ap-J..... Ogden
 Hale, Vernon Kent, ap-J..... Oakley, Ida.
 Hales, Delbert R., a-G..... Springville
 Hales, G. Ray, G... Springville
 Hales, Lesley Aileen, a-So .. Springville
 Hales, Margaret, a-Sp-ss, Provo
 Hales, Naomi Juanita, ap-So Brigham City
 Hall, Dorothy Joyce, fa-F... Riverside, Calif.
 Hall, Herman, a-F Provo
 Hall, James Robert, a-J..... Roosevelt
 Hall, Kathryn Bullock, ss... Cedar City
 Hall, LaVoe, ap-F.... Hyrum
 Hall, Lucille R., c-Sp..... Pleasant Grove
 Hall, Rex Pickett, G..... Burley, Ida.
 Hall, Robert Albion, a-F Provo
 Halladay, Edna L., a-Unm... Provo
 Halladay, Norma Deene, e-J Provo
 Hallett, Mary Jo, fa-F..... Klamath Falls, Ore.
 Halls, Florence Louise, ss... Mancos, Colo.
 Halterman, Susan, ap-So.... Parowan
 Hancock, Bonnie Katherine, ap-F Mesa, Ariz.
 Hancock, Helen, a-F..... Salt Lake City
 Hancock, Phyllis Pearl, fa-F Ogden
 Haney, Doris Jean, a-F, Provo
 Hanks, Betty Jane, c-F.... Tetonia, Ida.
 Hanks, Howard Augustin, ap-So Burley, Ida.
 Hanks, Joyce, e-J..... Salem
 Hanks, Read T., ap-F.... Provo

- Hanley, Vondella Knight, ss
 Dragerton
 Hanseen, LaRue, ss.....Scipio
 Hanseen, Meredith, ap-F, Scipio
 Hanseen, Rayola, ap-F..Provo
 Hansen, Alice Amanda, fa-F
 Price
 Hansen, Alice Maurine, ss..
 Provo
 Hanson, Annie, ss, Spanish Fork
 Hansen, Arthur Theodore, e-
 So.....Idaho Falls, Ida.
 Hansen, Barbara, a-J, Richfield
 Hansen, Barbara Bea, a-F..
 Brigham City
 Hansen, Bonnie Norrine, ap-
 F.....Spring City
 Hansen, Carma, ap-F.....
 Centerfield
 Hansen, Carol, a-F.....Delta
 Hansen, Earl Eugene, a-F..
 Idaho Falls, Ida.
 Hansen, Elva June, a-So, Provo
 Hansen, Elvin Armond, c-J..
 Spring City
 Hansen, Fred J., ap-F.....Orem
 Hansen, Gereldine, ap-S-ss..
 Redmond
 Hansen, Gloria Minnie, fa-
 Unm Provo
 Hansen, Golden K., G,
 Springville
 Hansen, Gordon E., ap-So, Orem
 Hansen, Heber Dean, a-F...
 Twin Falls, Idaho
 Hansen, Helen, G.....Provo
 Hansen, JoAnn, a-Unm, Provo
 Hansen, John Moore, a-F....
 Spanish Fork
 Hansen, Joy, a-So.....Monroe
 Hansen, Julia, a-J.....
 Salt Lake City
 Hansen, June Murdock, e-Sp-
 ss Salt Lake City
 Hanson, Leora G.....Provo
 Hanson, Lois, fa-J, Springville
 Hansen, Lois Vida, c-F.....
 Monolith, Calif.
 Hansen, Mahlin Sirus, e-G..
 Provo
 Hansen, Meredith, e-So, Provo
 Hansen, Milton J., c-F, Provo
 Hansen, Omar Milton, e-J, Provo
 Hansen, Rose M., c-F.....
 Salt Lake City
 Hansen, Ross Delbert, a-F..
 Joseph City, Ariz.
 Hansen, Ruth, ssDelta
 Hanson, Uda Holley, ap-S-ss
 Spanish Fork
 Hansen, Velma, GProvo
 Hansen, Virgil Dean, e-F....
 Lewisville, Ida.
- Hansen, Wallace Ray, c-F..
 Provo
 Hansen, Wyroa, GProvo
 Harding, Beverly June, fa-
 Unm Provo
 Harding, Cleo, e-So.....Orem
 Harding, Eldon R., ap-So, Provo
 Harding, Eldon W., c-F, Provo
 Harding, Fred W., a-F.. Provo
 Harding, Jennie, G-ss, Provo
 Harding, Lloynel M., a-J, Provo
 Harding, Mary E., fa-Sp, Provo
 Harding, Max E., a-F..Provo
 Harding, Shiralee Anne, c-
 So Provo
 Hardy, Beverly Rose, a-So..
 Portland, Ore.
 Hardy, Marie, a-F.....
 Meridian, Ida.
 Harmison, Lenard Blair, a-
 FSpringville
 Harmon, Clarence Jesse, c-
 J Provo
 Harmon, Merrilyn, a-F.....
 Berkeley, Calif.
 Harmon, Richard Lowry, a-S
 Manti
 Harper, Dale H., c-F.....
 Los Angeles, Calif.
 Harper, Denver C., a-F....
 Deep Run, N. C.
 Harper, Margaret, a-F.....
 Brigham City
 Harper, Max Dean, c-F.....
 Pleasant Grove
 Harper, Rudolph Dennis, a-
 F.....Deep Run, N. C.
 Harrington, Phil C., a-So....
 American Fork
 Harris, Arthur Winslow, a-
 F Provo
 Harris, Charlotte Orcella, a-
 SoPortland, Ore.
 Harris, Elsa, a-Sp.....Provo
 Harris, Gene, ap-F..Oak City
 Harris, Grant, a-F, Oak City
 Harris, Ivan Bernarr, a-F..
 Taber, Alberta, Canada
 Harris, Joseph Leonard, c-S
 Torrance, Calif.
 Harris, Madolyn Joyce, c-So-
 ss Provo
 Harris, Marjorie, a-Unm....
 Salt Lake City
 Harris, Mary Helen, e-So.....
 Randlett
 Harris, Melva M., e-F..Ogden
 Harris, Muriel Dorothy, a-F
 Provo
 Harris, Russell Clyde, a-S...
 Ogden
 Harris, VaLois, a-So, Bountiful

- Harris, Virgil Lehi, a-F...
 Idaho Falls, Idaho
 Harris, Warren J., a-J
 Emmett, Ida.
 Hart, Clarice H., G.....Provo
 Hart, Elaine, a-F.....Provo
 Hart, Karl E., ap-S.....Provo
 Hart, Marjorie Jean, a-J.....
 Long Beach, Calif.
 Hart, Neil F., a-F,...Bountiful
 Hart, Opal, a-F
 Bennington, Ida.
 Hart, Quella Allred, a-S, Provo
 Hartley, Gwen, ss....Fairview
 Hartshorn, Beth, a-S.....
 American Fork
 Hartvigsen, Margaret Mina,
 ss Santaquin
 Harvey, Aneita, a-F....Tridell
 Harvey, Jonathan Hans, ap-
 F Pleasant Grove
 Harvey, Louis Eugene, ap-So
 Pleasant Grove
 Harvey, Marie, e-So, Blanding
 Harvey, Nancy Idell, a-F....
 Blanding
 Harward, Moyle E., ap-F Provo
 Haskell, Marilyn, c-F.....
 Lovell, Wyo.
 Haslem, Dean W., c-F
 Roosevelt
 Haslem, Marië, c-F, Roosevelt
 Haslem, Rhea, ap-J, Roosevelt
 Hastings, Iva Wanabelle, fa-
 F Albuquerque, N. M.
 Hatch, Dee, ap-F, Springville
 Hatch, Harmon Russel, ss....
 Springville
 Hatch, Jay Ivan, a-F.... Orem
 Hatch, Loy George, a-F, Provo
 Hatch, Madelyn, e-So.....
 Colonia Juarez, Chih., Mex.
 Hatch, Melvin Taylor, a-So-
 ss Provo
 Hatch, Quinn Adelbert, a-So
 Provo
 Hatch, Rhea, a-F Provo
 Hatch, Robert R., a-F, Provo
 Hatch, Shirley Jean, ss, Provo
 Haverfield, Carole, a-F, Ogden
 Hawkes, Leah Belle David-
 son, e-J..... Rexburg, Ida.
 Hawkins, Evelyn, e-Sp-ss ..
 St. George
 Hawkins, Gordon D., a-So..
 American Fork
 Hawkins, Yvonne W., c-Sp..
 Wapato, Wash.
 Haycock, Joyce, fa-F
 Pueblo, Colo.
 Hayes, Betty June, fa-Unm
 Prescott, Ariz.
 Hayes, Margaret May, ss....
 Pleasant Grove
 Haymore, Lester D., c-F....
 Salt Lake City
 Hayward, LaNell R., a-Sp...
 Portland, Ore.
 Hayward, Libbie Cook, ss Provo
 Hayward, Lloyd H., c-F....
 American Fork
 Hayward, Wilson H., a-F..
 American Fork
 Head, Serge Conrade, a-F..
 Baker, Oreg.
 Heatherly, Geraldine, fa-So
 Greenville, S. C.
 Heatherly, Norma E. c-F....
 Greenville, S. C.
 Hebertson, Keith M., a-So Provo
 Heder, Georgia Gae, ap-F..
 Mesa, Ariz.
 Hedquist, Junece, fa-Sp, Provo
 Heilesen, Barbara Claire, c-F
 Teton, Idaho
 Heilesen, Donna Bernice, c-
 J..... Thornton, Idaho
 Heindselman, Georgia Joan,
 fa-So Provo
 Heiner, M. Carol, a-F.....
 Salt Lake City
 Heinerman, Barbara, a-F
 Provo
 Hemsley, LaRue, fa-F.....
 Idaho Falls, Ida.
 Henderson, Dorothy Carol a-
 F Delta
 Henderson, George H., a-So
 Provo
 Henderson, Ralph Allen, ap-
 F Salem
 Hendricks, Patricia, a-F....
 Richmond
 Hendrix, Ludean, ap-F
 Lund, Nev.
 Hendry, Joseph L., a-F.....
 McGill, Nev.
 Heninger, Mary Lucy, ap-F-
 ss Provo
 Hennefer, Jay Fisher, G ...
 Springville
 Henrie, Jearld, a-J Provo
 Henriod, Joseph Leonard, fa-
 S Salt Lake City
 Hepworth, Afton, a-So.....
 Farmington
 Hepworth, Iola Rae, e-So....
 Hinckley
 Hepworth, Thola, fa-So.....
 Hinckley
 Herde, Karl Peter, c-F, Provo
 Herde, Myrna D., c-F, Aurora
 Hernandez, Amelia, c-F....
 Brownsville, Tex.

- Hernandez, Helen, a-F Salt Lake City
 Hess, Katherine Irene, fa-J Grand Junction, Colo.
 Hiatt, Louisa Gene, e-S, Provo
 Hiatt, Myrtie Harris, a-Sp. Provo
 Hibbard, Dorla Dot, a-So. Boise, Ida.
 Hicken, Alta, a-Sp. Provo
 Hickman, Helen, a-J Provo
 Hickman, Joan, a-F, Snowville
 Higbee, Nellie F., e-J. Cedar City
 Higgins, Lloyd G., a-Sp, Provo
 Higginson, Bonnie, e-So. Bancroft, Idaho
 Higginson, Dean H., a-F, Lehi
 Higginson, Essie M., e-Sp-ss Santaquin
 Hilgendorff, John G., G-ss. Provo
 Hill, Arden B., e-S, Fayette
 Hill, Chester Wm., G, Fayette
 Hill, I. Fawn, ss Provo
 Hill, Joy, e-Sp-ss. Provo
 Hill, LaVetta Carter, ap-So. Provo
 Hill, Marian Julia, G. Provo
 Hillier, Beth Ann, a-So, Provo
 Hillier, Robert Louis, a-J. Provo
 Hilton, Carole, ap-J. Delta
 Hilton, Dawn, ap-So. Delta
 Hilton, Gloria Mathews, e-S Scipio
 Hilton, Joseph Donn, c-J. Pleasant Grove
 Hilton, Lawrence Roy, a-F. Hinckley
 Hinckley, Ella Rose, a-F. Salt Lake City
 Hinckley, LaRue, ap-F. Long Beach, Calif.
 Hindmarsh, Bonnie Jean, a-F Provo
 Hinton, Harvard R., a-J. Hurricane
 Hirschi, Betty Jean, ap-F. Montpelier, Idaho
 Hirst, Fawn, c-Sp Orem
 Hirst, Frank, a-Sp. Orem
 Hjorth, Paul Alma, a-F. Springville
 Hobbs, Andy Frank, c-F. Midvale
 Hobbs, James Malan, a-J. Los Angeles, Calif.
 Hofer, Helen, ap-F. Blackfoot, Ida.
 Hogan, Meredith, a-So. Grace, Idaho
 Holdaway, Ruth Berniece, ap-F Heber City
 Holden, Thomas J., c-F, Provo
 Holder, Ruth Jeane, ss. Mt. Emmons
 Holladay, Dorothy Mae, Provo
 Holladay, Hollis Thomson, a-F Provo
 Hollands, Thomas Doxey, e-Holladay, Howard G, Santaquin
 J Ogden
 Holley, Elma, a-F. Ogden
 Holley, Johnnie Belle, fa-S. Houston, Tex.
 Hollis, Lona Shields, ss, Milford
 Holm, Floyd S., G-ss Ririe, Ida.
 Holm, Marna, e-J, Roberts, Ida.
 Holman, Colleen, a-F. Salt Lake City
 Holman, Maude LaDean, e-Unm Ely, Nev.
 Holmgren, Ralph Clayne, a-J. Bear River City
 Holt, Dean A, a-F Salt Lake City
 Holt, Edna, e-J-ss, Oakley, Ida.
 Holt, Lloyd Stanley, a-F. Springville
 Holyoak, Helen Ver Jean, fa-So Spanish Fork
 Hone, Geraldine, a-Unm Spanish Fork
 Honeyman, Roger Bruce, a-Unm-ss Provo
 Hooks, Bertha L., ss Provo
 Hooper, Elsie Adelia, ap-F. Annabella
 Hoopes, Edna LaRue, c-S. Rexburg, Ida.
 Hoover, Barbara Marie, a-F Provo
 Hoover, Elaine, ss Provo
 Hoover, Keith Howard, c-So Provo
 Hopkins, Marva, a-F. Soda Springs, Idaho
 Hopla, Cluff E., G, Springville
 Horman, Mary Wright, a-So Linton, Ind.
 Horner, Velma Grace, fa-F. Sandpoint, Ida.
 Houghton, Betty Lou, fa-So Copperton, Bingham Canyone
 Houston, Betty Jean, ap-So. Salt Lake City
 Houston Celladore T. P., a-F. Unionville, Mo.
 Houston, Roene, a-F, Panguitch

- Houston, Roy D., a-F, Payson
 Howard, Darlene, a-So.....
 Salt Lake iCty
 Howe, Elliott Castleton ,a-J
 Salt Lake iCty
 Howe, Noel I., a-F.....
 Salt Lake City
 Howell, E. Virgil, ap-S
 Salt Lake City
 Howell, Grace, e-So,
 Salt Lake iCty
 Howell, Maurine, e-S-ss....
 Malad, Idaho
 Howells, Thomas Frederick,
 e-FMidvale
 Howes, Maxine, fa-So.....
 American Fork
 Hoyt, Earl Ballard c-F, Nephi
 Hoyt, Kenneth James, a-F..
 Nephi
 Hoyt, Vivian, a-J..... Nephi
 Huber, Kathryn Doris, ap-F
 Lapoint
 Huber, Matilda, GProvo
 Huber, Rhea LaVaur, c-F..
 Lapoint
 Huffaker, Alton W., a-J.....
 Salt Lake City
 Huffaker, Marian Blunt, a-So
 Salt Lake City
 Huffaker, Marjorie Elaine,
 fa-FSalt Lake City
 Hughes, Eldon Wesley, ss..
 Mesquite, Nev.
 Hughes, Mack F., a-So.....
 Spanish Fork
 Hughes, Owen, a-S.....
 Mesquite, Nev.
 Hughes, Phil, a-J, Spanish Fork
 Hughes, Verde Washburn, ss
 Mesquite, Nev.
 Huish, John C., c-F.....Provo
 Huish, Norma Jean, c-F, Provo
 Huish, William Floyd, a-So
 Provo
 Hulet, Bettie Danks, a-Sp...
 Provo
 Hulet, William Albert, c-S..
 Victor, Ida.
 Hulihan, Dorothy Patricia, a-
 F.....Los Angeles, Calif.
 Hullinger, Zula, ss.....Vernal
 Humphries, Floretta, a-J...
 Rupert, Ida.
 Hunsaker, Max Abel, a-F....
 American Fork
 Hunsaker, Meda A., e-Sp....
 American Fork
 Hunsaker, Melvin J., a-F....
 Afton, Wyo.
 Hunsaker, Nydra Ellen, fa-
 So.....Mesa, Arizona
 Hunt, Idonna Marie, fa-F...
 Blanding
 Hunt, Illa Claire, ap-F.....
 Joseph City, Ariz.
 Hunt, Norman J., fa-J.....
 Enterprise
 Hunt, Verdell, ap-S, Pine, Ariz.
 Hunt, Wilbert R., c-F....Provo
 Hunter, Blaine L., c-J...Ogden
 Hunter, Claire Faye, fa-S..
 Castle Dale
 Hunter, Don L., c-F.....
 American Fork
 Hunter, Frances Jeanne, fa-
 SoRichfield
 Hunter, Gordon, a-F.....Provo
 Hunter, Keith F., e-Sp..Provo
 Hunter, Phyllis Marjorie, ap-
 SIdaho Falls, Ida.
 Hunter, Richard Carl, a-F,..
 Provo
 Huntington, Mae Burt, ss....
 Springville
 Huntsman, Evona, a-Sp, Provo
 Huntsman, Jay R., e-S-ss....
 St. George
 Huntsman, S. Ralph, ss....
 St. George
 Hurst, Arvel Thorne, c-F...
 Declo, Idaho
 Hurst, Joan, fa-F, ...Blanding
 Hurst, Margie, a-J, ..Blanding
 Hurst, Roy W., a-F.....Provo
 Hussey, Mary Louise, ss, Price
 Husted, Florence Goldie, a-..
 Unm ...Los Angeles, Calif.
 Hutcheon, Rita, c-F.....Neola
 Hutchings, Grace, fa-J.....
 Pocatello, Ida.
 Hutchings, Harold C., a-S, Lehi
 Hutchings, Josephine, c-So..
 Pocatello, Ida.
 Hutchings, Margaret, fa-So.
 Pocatello, Ida.
 Hutchins, Barbara Gay, e-J
 Arcadia, Calif.
 Hutchins, Ruth, fa-J.....
 Arcadia, Calif.
 Hyatt, Anita, c-J, ..Joliet, Ill.
 Hyatt, Melba G., ss, Castle Gate
 Hyatt, Norman Frederick, a
 FJoliet, Ill.
 Hyde, John Taylor, c-S-ss..
 Salt Lake City
 Hyde, Marian Stratford, c-J..
 Kensington, Md.
 Imlay, LeRoy Clark, a-So...
 Grantsville
 Ipsen, John D., a-S.....
 Bennington, Ida.
 Irons, Doris W., ss.....Nephi

- Irwin, Ruth Joanne, a-F....
 San Bernardino, Calif.
 Isaac, Jacl. Blaine, c-So....
 Spanish Fork
 Isaac, John Dixon, a-S, Provo
 Isaacson, Keith Joseph, fa-
 So..... Park City
 Isom, Afton, a-S.....Provo
 Itaya, Frank Yoshio, a-So....
 Los Gatos, Calif.
 Ivey, Wayne Franklin, ss...
 Mena, Arkanass
 Ivie, Donna Ruth, ap-F, Lynndyl
 Ivie, Wendeli Raymond, a-F
 Provo
 Ivins, Anthony Hamblin, fa-S
 Salt Lake City
 Ivins, Heber Grant, a-J....
 Salt Lake City
 Jackman, Elden Leon, a-F...
 Provo
 Jackman, Geraldine, a-F....
 Blackfoot, Ida.
 Jackson, Adell Marie, a-So..
 Salt Lake City
 Jackson, Beth Burr, e-S, Salina
 Jackson, Elda, ss.....Provo
 Jackson, Elva Ellett, c-J....
 Bicknell
 Jackson, Ernest Baker, ap-S
 Bicknell
 Jackson, George A., e-S, Salina
 Jackson, Ida Lee, fa-F.....
 El Paso, Tex.
 Jackson, Leona Vivian, ap-F
 Salt Lake City
 Jackson, Lois, G.....Provo
 Jackson, Yvonne, ss, Toquerville
 Jacob, Verl T., ap-J,...Orem
 Jacobs, Kay Lucian, c-So ..
 Pleasant Grove
 Jacobs, Mary Bell, fa-So....
 Zillah, Wash.
 Jacobson, Bettie Rae, a-F, Orem
 Jacobson, James Fay, a-So..
 Oak City
 Jacobson, Keith T., a-J, Provo
 Jacobson, Marvell G., ss....
 Bountiful
 Jacobsen, Ruby, G.....Provo
 Jacobson, Waldo Evan, a-F
 Springville
 James, Don Emerald, ap-So..
 Fayette
 James, Ila Mae, a-J.....
 Spanish Fork
 James, Richard Alan, ap-F..
 Rock Springs, Wyo.
 Jamseon, Beverly, a-F.....
 Cowley, Wyo.
 Janson, Frank Ashworth, ap-
 F.....Provo
- Jeffery, Doris, a-F.....
 Idaho Falls, Ida.
 Jeffery, Truman Wallace, a-
 F.....Delta
 Jenkins, Burke D., a-J; Provo
 Jenkins, Douglas, c-F, ..Provo
 Jenkins, Lars Elwin, a-F....
 Heber City
 Jenkins, Muriel, fa-So.....
 Springfield, Ill.
 Jennens, Shirley Marie, ap-
 So.....Detroit, Mich.
 Jennens, Winifred, a-S.....
 Detroit, Mich.
 Jensen, Agnes, fa-So.....
 American Fork
 Jensen, Alice, a-Sp.....Provo
 Jensen, Allene A., ss....Provo
 Jensen, Beatrice, a-So.....
 Gridley, Calif.
 Jensen, Bette Loy, a-So....
 Fairview
 Jensen, Clarence John, c-So..
 Sacramento, Calif.
 Jensen, Darlene, fa-F.....
 Salt Lake City
 Jensen, Donna Marian, fa-F
 Mt. Pleasant
 Jensen, Edith Ann, a-So ...
 Milwaukee, Wis.
 Jensen, Elaine, a-F, Castle Dale
 Jensen, George Arel, c-F....
 Boise, Ida.
 Jensen, Gladę K., a-F, Provo
 Jensen, Janice, a-F, ..Midvale
 Jensen, Jenna V., e-F, Mapleton
 Jensen, Joan Ballif, a-Sp, Provo
 Jensen, John Daniel, a-So, Provo
 Jensen, Lola, e-S-ss.....
 Pleasant Grove
 Jensen, Lyravin, c-J.....
 Pleasant Grove
 Jensen, Max Levern, c-So ..
 Fairview
 Jensen, Moroni L., e-S, Salina
 Jensen, Murl Acord, ap-F..
 Fairview
 Jensen, Vern Harmon, a-So..
 Manassa, Colorado
 Jensen, Vernal H. Dusty, c-
 So.....Pinedale, Wyo.
 Jensen, Vivian, fa-So...Provo
 Jensen, Warren Edgar, a-F..
 Delta
 Jeppson, Earl F., C.....
 Salt Lake City
 Jeppson, Keith Stewart, co-
 So.....Brigham City
 Jeppson, Max Delore, a-F..
 Brigham City
 Jepson, Dorothy June, fa-
 Unm.....Provo

- Jesperperson, Glenna Mae, C-
Unm San Diego, Calif.
- Jex, James Lorin, fa-J, Provo
- Jex, Lee Daniel, a-F.....
..... Spanish Fork
- Jex, Mary Ellen, c-So....Provo
- Jex, Melvin Dean, e-F.....
..... Spanish Fork
- Johansen, Kenneth Gene, a-
So. Provo
- Johansen, Patricia, ap-F....
..... Castle Dale
- Johansen, Vernon Peter, ss..
..... Payson
- John, Lawana, fa-F, Salida, Col.
- Johnson, Afton Ardell, ss...
..... Richfield, Ida.
- Johnson, Allan McClure, a-J
..... Provo
- Johnson, Arthur Hyrum, G..
..... Provo
- Johnson, Beth, c-F, ..Richfield
- Johnson, Betty A., a-F, Provo
- Johnson, Calvin Seth, e-F, Price
- Johnson, Carma, e-F, Richfield
- Johnson, Claire, fa-F
..... Salt Lake City
- Johnson, Clorean, a-F, Lynndyl
- Johnson, Clyde L., ss, Vernal
- Johnson, Dale Elijah, c-F..
..... Mesa, Ariz.
- Johnson, Einar H., a-So, Provo
- Johnson, Elmer, c-Unm, Provo
- Johnson, Farrell Cehus, a-F
..... Chandler, Ariz.
- Johnson, Floyd L., e-F.....
..... Spanish Fork
- Johnson, Francis Bernell, a-
F Provo
- Johnson, Frank W., G...Provo
- Johnson, Glen, a-So.....
..... Spanish Fork
- Johnson, Glenna LaMar, fa-F
..... Provo
- Johnson, Gordon E., a-J.....
..... Ephraim
- Johnson, Guy A., G....Payson
- Johnson, Gwen, e-F.....
..... Grantsville
- Johnson, Hope Lavern, a-F..
..... Napa, Calif.
- Johnson, Imogene, ap-F....
..... Barnwell, Alberta, Can.
- Johnson, Irvin Ludwig, ap-J
..... Provo
- Johnson, Joyce Laura, a-Unm
..... Idaho Falls, Ida.
- Johnson, Junior Calvin, a-F
..... Pleasant Grove
- Johnson, Kenneth Earl, a-F
..... Las Vegas, Nev.
- Johnson, Kenneth George, E-
F Orem
- Johnson, LeGrande Wesley, a-
F Las Vegas, Nev.
- Johnson, Letha, ap-F.....
..... Barnwell, Alberta, Can.
- Johnson, Lois Elizabeth, ap-
So South Mills, N. C.
- Johnson, Lois, ap-J, Springville
- Johnson, Lois W., e-Sp, Provo
- Johnson, Lourene, a-J.....
..... Salt Lake City
- Johnson, Mahlon Dean, ap-F
..... Barnwell, Alberta, Can.
- Johnson, Martin Albin, c-J..
..... Provo
- Johnson, Marva, a-F, Richmond
- Johnson, Marvel H., e-J, Provo
- Johnson, Mary, ss....Fillmore
- Johnson, Merle Edith, a-S...
..... St. Anthony, Idaho
- Johnson, Ray E., a-So.....
..... Spanish Fork
- Johnson, Reed Mark, c-F....
..... Spanish Fork
- Johnson, Richard Harold, a-
F Provo
- Johnson, Ruby Alene, c-So..
..... Provo
- Johnson, Ruth Jean, c-F....
..... Los Angeles, Calif.
- Johnson, Ruth S., ss....Emery
- Johnson, Sheldon Chris, c-S
..... Salt Lake City
- Johnson, Shirley, c-F.....
..... Preston, Ida.
- Johnson, Shirley ap-So.....
..... Springville
- Johnson, Thelma L., a-F....
..... Baltimore, Md.
- Johnson, Warren Curg, c-F..
..... Dallas, Tex.
- Johnson, Wayne Kay, a-J,..
..... Provo
- Johnson, Wilda M., fa-F ...
..... Caldwell, Idaho
- Johnson, Wilford T., ss.....
..... Spanish Fork
- Johnson, William Earl, c-So
..... Provo
- Johnson, Zalia, ss
..... Los Angeles, Cal.
- Johnson, Zenda M., a-So
..... Boise, Idaho
- Johnson, Zina R., ss Springville
- Jones, Arlene, a-F
..... St. Anthony, Idaho
- Jones, Clifford Howes, fa-F
..... Downey, Calif.
- Jones, Earl Barnett, a-F...
..... Magna
- Jones, Elva Jean, c-F ..Payson
- Jones, Enos LaVar, a-S ...
..... Billings, Montana

- Jones, Etta, G.....Provo
 Jones, Ferron Robert, ap-So
 Provo
 Jones, Irene Louise, c-F
 South Gate, Calif.
 Jones, Jennie Bea, c-So
 Malad, Idaho
 Jones, Joyce Marilyn, ap-F..
 Salt Lake City
 Jones, Keith S., ap-So
 Salt Lake City
 Jones, Leonard Duane, a-F
 Burley, Idaho
 Jones, Lorin Paul, c-F.....
 Springville
 Jones, Lucille W., G....Provo
 Jones, Marion, a-J.....Provo
 Jones, Martha, ss.....Provo
 Jones, Mary Donna, a-S....
 Pocatello, Idaho
 Jones, Maxine Hogan, e-F..
 Grace, Idaho
 Jones, Maxwell Dee, c-S....
 Morgan
 Jones, Mildred Phyllis, e-So
 Douglaston, New York
 Jones, Myron Dale, c-F
 American Fork
 Jones, Nelma Jean, c-Unm..
 Provo
 Jones, Neola, e-S.....Provo
 Jones, Norma a-F.....
 Salt Lake City
 Jones, Peggy Margaret, ap-
 Unm.....San Rafael, Calif.
 Jones, Ray B., fa-J.....Magna
 Jones, Reed, G.....Payson
 Jones, Tressa A., a-F.....Payson
 Jonsson, Paul Fred, a-F....
 American Fork
 Jorgensen, Eleanor, ap-S-ss
 Price
 Jorgenson, Lorraine, fa-So..
 Orderville
 Jorgensen, Norma, fa-J.....
 Castle Dale
 Jorgensen, Vivian, e-Sp.Provo
 Josephson, Janet, a-F.....
 Salt Lake City
 Joyner, Oliver Harold, a-F..
 Columbia, So. Carolina
 Juber, Ruth Pauline, fa-F..
 Valley Springs, So. Dakota
 Juchau, Ruth, e-F.....
 Virginia, Idaho
 Judd, Margaret, a-So.....
 Grantsville
 Jueschke, Eleonore, fa-Unm
 Milwaukee, Wisc.
 Jueschke, Elizabeth, fa-F..
 Milwaukee, Wisc.
 Justesen, Bernice, fa-Sp-ss.
 Provo
 Kanipe, Melba June, e-So..
 East St. Louis, Illinois
 Kase, Grace, ap-F..... Beryl
 Kaufman, Oreal, e-So
 Salt Lake City
 Kay, Eloese, a-S-ss.....
 Heber City
 Keeler, Colleen, fa-F-ss.Provo
 Keeler, Essie, G.....Provo
 Keep Shirley Blanche, fa-
 Un..... Venice, Calif.
 Keel Cyrus Wesley, ap-J
 Provo
 Keit Beverly, fa-Unm
 Provo
 Keith, J. Allan, a-F.....Provo
 Keller, Dallas, fa-F.....
 Minkcreek, Idaho
 Keller, MarRue, fa-F.....
 Preston, Idaho
 Kellett, Jeanne, fa-So..Hyrum
 Kellogg, Mariam Elaine, a-
 Unm.....Layton
 Kendall, Bent William, a-F
 Provo
 Kendall, Kenneth Kent, a-
 F.....Provo
 Kenner, Glenn G.....Provo
 Kenner, Marjorie Bee, fa-
 Sp.....Provo
 Kenner, Martha A., fa-Sp.Provo
 Kerr, Kathryn, ap-F.....
 Los Angeles, Calif.
 Kest, J. Robert, fa-J.....Provo
 Kiester, Mary F. Capps, ap-
 J.....Hartsville, So. Carolina
 Killian, Elva, ss.....Orangeville
 Killpack, Lovell A., Jr., fa-
 So.....Provo
 Killpack, Theodore N., e-So
 Ferron
 Kimball, Frances V., a-FProvo
 Kimball, H. Ione, ap-F..Provo
 Kimball, Reid Roberts, a-F..
 Provo
 Kimber, Ivy Lorraine, fa-F
 Grouse Creek
 Kindred, Emeline, ss.....
 Heber City
 Kindred, Ted Ross, a-J.....
 Springville
 King, Alta Mae, c-Unm.....
 Pleasant Grove
 King, Joseph S., a-Sp-ss.Provo
 King, Kathleen, c-So.....
 Twin Falls, Idaho
 King, Lasca, fa-Sp-ss..Provo
 Kinghorn, Shirley Anne, a-
 F.....Rigby, Idaho
 Kingston, Marilyn, e-J.....
 Ogden

- Kirk, Emmeline, e-F
 Pleasant Grove
 Kirkham, Dale Bruce, a-F...
 Lehi
 Kirkham, Jane Josephine, e-
 S Salt Lake City
 Kissell, Ivo, ap-SPrice
 Kitchen, Lea Mae, e-F...Tridell
 Kizerian, Dorothy K., ap-F
 Salt Lake City
 Klein, Robert D., a-F
 Los Angeles, Calif.
 Knell, Claudia, c-SpProvo
 Knell, James John, a-So.Provo
 Knight, Evelyn M., ss...Provo
 Knight, Harold C., c-F...Provo
 Knight, Hattie M., G...Provo
 Knowlton, Clark S., a-So...
 Salt Lake City
 Knowlton, James Quincy, e-
 So Farmington
 Knowlton, Martha, a-J
 Layton
 Knudsen, Clarence L., G.Provo
 Knudsen, Eda Arlene, a-J...
 Provo
 Knudsen, Ida, GProvo
 Knudsen, Viola M., G-ss, Provo
 Kocherhans, Gwendolyn R.,
 e-Sp Provo
 Kofford, Keith V., ap-F..Orem
 Kohler, Ida Barbara, a-So...
 Midway
 Kohler, Roy Albert, a-F
 Midway
 Kolstrom, Della Lois, fa-F..
 Mt. Pleasant
 Kopper, Walter C., c-F
 Salt Lake City
 Kowallis, Willard, fa-F
 Pocatello, Idaho
 Koyle, Blanche, H., e-J
 Burley, Idaho
 Krissman, Georgene, fa-F...
 Helper
 Kroll, Mary Laurette, fa-F..
 Salt Lake City
 Kuhni, Glade, c-FProvo
 Kump, Garth Gale, a-F .Provo
 Kump, Laver, GProvo
 Laabs, Mary Jean, c-J
 Boise, Idaho
 Lacy, R. L., ss ..Jackson, Wyo.
 Lake, Geraldine, a-J
 Thatcher, Arizona
 Lambourne, Carol Jean, fa-F
 Ogden
 Lambson, John Charles, c-
 S-ss Sandy
 Lambson, Ronald Lester, a-F
 Sandy
 Lamoreaux, Orien H., e-F, Provo
 Lamph, Lyle, ss.....Price
 Lamprecht, Loretta Joyce, e-
 F Glenwood
 Landgren, Beverly Joyce, a-
 SoRockford, Ill.
 Landgren, John David, a-J..
 Rockford, Ill.
 Laney, Dorothy, fa-F-ss....
 Albuquerque, N. M
 Lang, Lorina Carol, a-Unm
Maywood, Calif.
 Langston, Gloria, ap-So....
Salt Lake City
 Larkin, Florence Agnes, e-F
 Snowville
 Larsen, Alda Margaret, G Provo
 Larsen, Alice G.....Provo
 Larson, Andrew K., G-ss....
 Hurricane
 Larson, Beverly Day, a-Unm
 Oakland, Calif.
 Larsen, Beverly Jean, e-F..
 Lynndyl
 Larson, Elma E., e-J.....
 LaGrande, Ore.
 Larsen, Geneva Day, ss, Provo
 Larsen, Grant Alvin, ap-So..
 Provo
 Larsen, Grant F., ss...Provo
 Larsen, Harold E., a-J, Provo
 Larsen, Helen Edith, e-S, Provo
 Larsen, Horace C., a-S.....
 Ephraim
 Larson, John LaMar, a-Sp..
 Gunnison
 Larsen, Kirk McAllister, e-J
Salt Lake City
 Larsen, Lee Beck, a-Unm, Provo
 Larsen, LeNae, a-F.....Provo
 Larsen, Lois, e-F.....Mantua
 Larsen, Loren Croft, a-F, Provo
 Larson, Maruis Anna, c-F..
 Elsinore
 Larsen, Richard L., e-J, Provo
 Larsen, Ronald Franklin, G
 Provo
 Larsen, Ruth, ap-F, Richfield
 Larsen, Spencer Evander, a-
 F.....Glendale Calif.
 Larson, Sterling C., G-ss, Provo
 Larsen, Thomas Calvin, e-J
 Provo
 Larsen, Virginia May, fa-F..
Salt Lake City
 Latimer, Estill Vilate, ap-
 Provo
 Laudie, John D. ap-F...Orem
 Laudie, Orpha, c-J.....Orem
 Laughlin, Eileen T., fa-F....
Colorado Springs, Colo.

- Lauritzen, Elva Irene, a-F...
 Victor, Idaho
 Laursen, William, e-Sp.....
 American Fork
 Lavadie, Cristobel Julian, a-
 F.....Taos, N. Mex.
 Lavin, Sam, G.....Ogden
 Law, David Andrew, c-F.....
 Provo
 Law, Glen Arthur, fa-So.....
 Springville
 Law, Zola Rae, fa-So, Provo
 Lawrence, Clifford Jex, a-F
 Spanish Fork
 Lawrence, Isabell, a-F, Ogden
 Lazenby, J. Douglas, fa-F, Provo
 Leany, Elrod, a-So....Milford
 Leavitt, Audrey Louise, ap-
 So..Cardston, Alberta, Can.
 LeBaron, Donald Ralph, a-F
 Barnwell, Alberta, Can.
 LeBaron, George Loring, e-
 S.....Hurricane
 LeBaron, Mary Louise, ap-
 So...Barnwell, Alberta, Can.
 Lee, Christian C., G..Paradise
 Lee, Dwight, e-S Malta, Idaho
 Lee, Glen Wilson, c-F Eureka
 Lee, Joseph C., fa-J.....Provo
 Lee, Kenneth J. a-F, Heber City
 Lee, Lester Dean, e-So.....
 Springville
 Lee, Lorine E. S. H., ss, Provo
 Lee, Thomas W., a-F-ss, Provo
 Leek, Robert Daniel, a-F, Provo
 Leigh, Marian, fa-S, Cedar City
 Levie, Betty Jo, ss.....Sevier
 Levin, Richard H., a-F, Provo
 Lewis, Alaire, ap-F....Draper
 Lewis, Barbara Jean, fa-F..
 Provo
 Lewis, Bess Houtz, fa-Sp..
 Springville
 Lewis, Betty Elzene fa-So..
 Milwaukee, Ore.
 Lewis, Dale W., c-F....Provo
 Lewis, Daniel Thomas, a-S..
 Provo
 Lewis, Dawn ss.....Emery
 Lewis, Doran C., a-F.....
 Klamath Falls, Ore.
 Lewis, George L., G.....Provo
 Lewis, Gordon Kenneth, a-F
 Provo
 Lewis, Howard R., a-F, Provo
 Lewis, Jack Wilford, a-F....
 Provo
 Lewis, J. Will, a-So.....
 Spanish Fork
 Lewis, Leah Erlene, a-Unm
 Provo
 Lewis, Ray Lyman, a-F, Provo
 Lewis, Rhoda Daphne, e-F..
 Farmington, N. M.
 Leyshon, Helen Joan, a-F...
 Provo
 Liapis, Peter Paul, e-F, Helper
 Libke, Keith George, a-F...
 Morenci, Mich.
 Lichfield, Afton Marie, c-J-
 ss.....Provo
 Lichfield, Dorothy, fa-J, Ogden
 Liddiard, Gerald E., a-F, Provo
 Liddle, Doyle, G.....Payson
 Liechty, Carrol Brigham, G
 Springville
 Liechty, Ivan Joseph, ap-S..
 Provo
 Liechty, Kenneth Alfred, fa-
 F.....Orem
 Liechty, Melba, ap-J....Provo
 Liljenquist, Max, e-F...Provo
 Linde, Mary Lorraine, c-Sp..
 Provo
 Lindsay, Charlotte, G.....
 Phoenix, Ariz.
 Lindsay, Grace, e-F....Murray
 Lindsay, Mary, e-J, Dingl, Ida.
 Lindstrom, Evelyn A., a-S-
 ss.....Roberts, Ida.
 Lindstrom, Marjorie Fern, e-
 S.....Roberts, Ida.
 Lindstrom, Virgil Harold, ap-
 F.....Roberts, Ida.
 Lisonbee, Alvin, a-F.....
 Mesa, Ariz.
 Liston, Merrill Glendon, a-F
 Cedar City
 Little, Charles, e-F.....
 American Fork
 Little, Ernest R., c-F, Morgan
 Little, Lorraine, a-Unm.....
 Gridley, Calif.
 Little, Marie, a-F....Cedar City
 Little, Vernon, c-F.....Provo
 Livingston, Connie N., c-F..
 Provo
 Lloyd, Beverly Frances Cro-
 nin, c-S.....Eureka
 Lloyd, Charles Parkinson, a-
 F.....Holladay
 Lloyd, Deaun Aritha, a-F....
 Heber City
 Lloyd, John H., a-J....Helper
 Lofgreen, Verna Mae, fa-F..
 Springfield, Ida.
 Logsdon, Betty, c-J....Lehi
 Logsdon, James L., ap-J..Lehi
 Long, Jesse E., e-J....Provo
 Longhurst, Herman L., e-S
 Pocatello, Ida.
 Losee, Warren E., e-Sp, Alpine
 Lott, Lorraine, a-F.....
 Evanston, Wyo.

- Love, Irene Christensen, a-
 Sp-ssProvo
 Love, Wm. Smoot, c-S..Provo
 Loveland, Elna Versa, c-Unm
 Provo
 Loveless, Estella L., a-F....
 Burley, Ida.
 Loveless, LaPreal B., G, Payson
 Loveridge, Della L., c-So, Provo
 Loveridge, Gwen E., ap-Sp..
 Provo
 Loveridge, Max Elmo, a-F..
 Provo
 Loveridge, Willard V., a-So
 Burley, Ida.
 Loveridge, Wm. Merlin, c-F
 Burley, Ida.
 Low, Philip F., G, Salt Lake City
 Lowe, Howard D., G.....Orem
 Lowe, Newton J., e-F.....
 Centerville
 Lowry, Sheldon Gaylon, a-S-
 ssPrvoo
 Ludlow, Enoch Andrus, a-F
 Spanish Fork
 Ludlow, Jim H., a-Sp.....
 Spanish Fork
 Ludlow, Kenneth Raymond,
 ap-So..... Spanish Fork
 Ludlow, Melvin J., a-F.....
 American Fork
 Ludlow, Priscilla, fa-So....
 Spanish Fork
 Luke, John Wells, e-F.....
 Salt Lake City
 Lund, Elaine Lucille, a-S...
 Los Angeles, Calif.
 Lund, Helene, a-F, Mt. Pleasant
 Lund, Mary Edna, fa-So.....
 Pocatello, Ida.
 Lundell, Clyde J., a-F.....
 Spanish Fork
 Lundell, Joyce, ap-F.....
 Spanish Fork
 Lundell, Lillian, fa-F Benjamin
 Lundell, Russell, ss, Benjamin
 Lundquist, Kenneth B., a-F
 Ririe, Idaho
 Lung, Verna Venita, fa-F...
 Denver, Colo.
 Lusty, Sybil, fa-J....Duchesne
 Lyman, Catherine, a-J.....
 Beverly Hills, Calif.
 Lyman, James Harold, a-F..
 Great Neck, N. Y.
 Lyman, Opal May, ap-F, Boulder
 Lyman, Rhoda, c-F.....Holden
 Lyman, Thomas Kay, c-F.....
 Clearfield
 Lynn, Fay N., ssPanguitch
 Lyons, Arlie, fa-F.....
 Caldwell, Idaho
- Mabey, Douglas Rogerson,
 a-FSalt Lake City
 MacDonald, Janet L., a-So..
 Flushing, N. Y.
 MacDonald, Kyle Riggs, a-F
 Kanab
 Macdonald, Ruth Jean, ap-F..
 Flushing, N. Y.
 MacDonad, Verla, a-So, Kanab
 Macfarlane, Arthur Welling,
 e-JOgden
 Macfarlane, Karl O., c-J, Ogden
 Macfarlane, Menzies James,
 e-J Pleasant Grove
 MacIntosh, Margaet Eileen,
 fa-J..... Rifle, Colo.
 MacIntosh, Theo D., fa-J....
 Rifle, Colo.
 Mack, Reed Floyd, c-So
 Phoenix, Ariz.
 Mackay, Ellen Bone, c-F, Provo
 MacKay, Lincoln Clyde, a-J
 Fallon, Nev.
 Mackley, Eldon S., a-So, Provo
 MacNaughton, Thomas J., a-
 F..... Heber City
 Madsen, Dorothy, c-So.....
 Brigham City
 Madsen, Farrell D., G....Provo
 Madsen, Janis, a-Unm.....
 Farmington
 Madsen, Joyce, c-Unm.....
 Farmington
 Madsen, Kenneth Russell, c-
 F..... Provo
 Madsen, Lenore Kimball, e-
 Sp Price
 Madsen, Marion, ss.....Manti
 Madsen, Myra, a-F
 Salt Lake City
 Madsen, Rex A., c-So-ss, Provo
 Madsen, Rhea Jean, c-Unm..
 Provo
 Madsen, Russell, a-F....Provo
 Maeno, Bernice Yukie, e-So-
 ssKapaa, Kauai, T. H.
 Magleby, Jean, ap-J....Monroe
 Magliocco, Frank Ralph, fa-
 So Helper
 Maiben, Louis G., fa-F.....
 Springville
 Malchus, Nell, ss Pine Valley
 Malin, Rea S., e-Sp.....Provo
 Malone, Billy Ray, a-F.....
 Eunice, N. M.
 Maloney, Mary Rose, c-F..
 Pittsburgh, Pa.
 Mangum, Garth L., a-F, Orem
 Mangum, Vaudis Elmina, a-
 SpOrem
 Mangum, Wm. Lester, c-S,..
 Provo

- Manley, Francene, c-So, Moroni
 Mansfield, Jacob Matthew,
 a-So Ephraim
 Manwarren, Otto K., a-F....
 Sterling, Kansas
 Marble, Afton Eileen, a-F..
 Malad City, Ida.
 Marble, Glen Bert, ap-So....
 Malad City, Ida.
 Marchant, Lila T., fa-S...Peoa
 Marchant, Norman T., fa-J..
 Cowley, Wyo.
 Marchant, Preston Thomas,
 ap-So..... Peoa
 Markham, Beatrice P., ss, Provo
 Marler, Ben Call, c-F.....
 Independence, Mo.
 Marler, Gwen, a-F.....
 Independence, Mo.
 Marler, Mrs. Vessa C., a-Sp..
 Independence, Mo.
 Mariotti, Samuel Edward, c-
 J Provo
 Marshall, Barbara, ap-So....
 Panguitch
 Marshall, Betty Lou, a-F....
 Garfield
 Marshall, Eugene Harold, a-F
 Provo
 Marshall, Ida, a-F.....
 Evanston, Wyo.
 Marshall, Marie, ap-J....Provo
 Martell, Thelma W., ss.....
 Pleasant Grove
 Martin, Beth, c-F.....Provo
 Martin, Darrel Thomas, ss..
 Imlay, Nev.
 Martin, James H., a-F.....
 Salt Lake City
 Martin C. Moroni, fa-F.....
 Long Beach, Cal.
 Martin, Ruth, ap-So.....Provo
 Martin, Wm. Farrington, a-
 F Orem
 Martineau, Florence, G., Provo
 Maruoka, Frank Mitsuo, a-J-
 ss Topaz
 Mathewson, Darwin Gay, e-
 So Ogden
 Matley, Jack A., ap-F.....
 Spanish Fork
 Matthews, Adelaide, fa-F...
 Ashton, Ida.
 Matthews, Anna Louise, e-
 F Yuba City, Calif.
 Matthews, Colleen Rae, a-
 Unm Pleasant Grove
 Matthews, Elynn, fa-F.....
 Ashton, Ida.
 Matthews, Kate, G.....Provo
 Mattson, Ida Luella, fa-F..
 Portland, Ore.
 Maxfield, Gerald J., a-F... ..
 Midvale
 Maxfield, Maurine E., c-F...
 Maxwell, George M., c-F.....
 Preston, Ida.
 May, Hazel Nielson, ss.....
 Calgary, Alberta, Can.
 May, Ivan Clair, ss, Green River
 Mayer, Kathryn, fa-So.....
 Salt Lake City
 Mayhew, Grace K., ss..Provo
 McAfee, Boyd H., G-ss, Provo
 McAllister, Dale Alder, fa-
 J Provo
 McAllister, Elaine, c-F, Provo
 McAllister, Peggy Ann, a-Sp
 Provo
 McAllister, Stanley H., e-F..
 American Fork
 McArthur, Arthur Edgar, c-
 J Provo
 McArthur, Iris Lowry, ss....
 Provo
 McArthur, Lloyd Wm., a-So
 Twin Falls, Ida.
 McBride, Marjorie Jean, fa-
 Sp Columbia, S. C.
 McClellan, E. Louis, fa-F....
 Payson
 McCormick, Billie Jean, e-J
 Weiser, Ida.
 McCulley, Jessie Lewis, a-
 Unm Milford
 McCurdy, Vaudis, c-F..Provo
 McDaniel, Dorothy Marie, c-
 F Alamosa, Colo.
 McDonald, Ann, a-Unm....
 Salt Lake iCty
 McDonald, Barbara, e-F....
 Heber City
 McDonald, Hiram Smith, a-
 F Heber City
 McEwen, Grace Irene, e-J
 Burley, Idaho
 McEwan, Junius Harold, a-
 J Provo
 McFarland, Albert K., a-J..
 Hansen, Ida.
 McFarland, Ramona, ap-So..
 Ogden
 McFarland, Thelma Irene, e-
 F Hansen, Idaho
 McFarland, Thomas Pool, a-
 F Casper, Wyo.
 MFate, Theila Elaine e-So.
 Phoenix, Ariz.
 McFerrer, Lillian Elizabeth,
 c-F.....Waynesboro, Pa.
 McGarry, Sherman Cullen, a-
 F Spanish Fork

- McGary, Noel Berkeley, a-F
.....Shelley, Ida.
- McGaughey, Glen, ap-F....
.....Chandler, Ariz.
- McGill, Bette Maxine, e-Sp..
.....Provo
- McGuire, Erma, c-Sp....Provo
- McGuire, J. Paul, a-So, Provo
- McIff, Lyle Hatch, a-F....Lehi
- McIntosh, Jean Annette, e-
SoProvo
- McIntyre, Howard, a-F.....
.....Mammoth
- McKinnon, Dorothea Jane, ap-
So.....-....Salt Lake City
- McKnelley, Theodore T., a-So
.....Pocatello, Ida.
- McMurray, Wanda, c-J.....
.....Oakley, Ida.
- McNeil, Helen, e-J, Hiawatha
- McNeill, Mary Afton, ap-F..
.....Salt Lake City
- McQuarrie, Anna Louise, a-F
.....Salt Lake City
- McQueen, Joan, e-F, Duchesne
.....Preston, Ida.
- Meacham, Pearl A., ap-Sp-ss
.....Duchesne
- Meador, Donna Jeanne, a-F
.....Moab
- Measom, Frances, a-F.....
.....Spanish Fork
- Measom, Myrna Jane, fa-Sp
.....Spanish Fork
- Mecham, Derral F., a-J, Salina
- Mecham, Merlin J., fa-So....
.....Springville
- Mecham, Merrill B., ap-F, Orem
- Mecham, Paul LeRoy, a-
UnmAmerican Fork
- Mecham, Robert Bernard, a-
FProvo
- Meikle, Helyn Marian, fa-Unm
.....Driggs, Ida.
- Mellor, Norma Jean, ap-F..
.....Fayette
- Melton, Anne Marie, ap-F..
.....Hopkinsville, Ky.
- Memmott, Frank Crosby, e-
So.....Castle Gate
- Mendenhall, Carma Jane, fa-
SoSpringville
- Mendenhall, Legia E., fa-So
ssSafford, Ariz.
- Mendenhall, Max, GProvo
- Mendenhall, Robert Cornell,
a-SoSpringville
- Menlove, Belva Lucille, ap-F.
.....Salt Lake City
- Menlove, Roy T., a-F, Payson
- Menzies, Belva, ss.... Provo
- Menzies, Lois, G.....Provo
- Mercer, Arva May, a-J, Lehi
- Mercer, Betty Jo, fa-So....
.....Barnwell, Alberta, Can.
- Mercer, Robert Lee, a-F....
.....Barnwell, Alberta, Can.
- Meredith, Carma Fawn a-
SoAmerican Fork
- Meredith, Edna, ss
.....American Fork
- Merkley, Veda, a-F.....Vernal
- Merrell, Robert Winston, c-F
.....Lake City, Minn.
- Merrell, Russell Glen, e-S..
.....Payson
- Merrill, Deanne, ss....Provo
- Merrill, Heber Kimball, e-So
.....Phoenix, Ariz.
- Merryweather, Max Bullock,
a-FProvo
- Meservy, Joseph Robert, G..
.....St. Anthony, Ida.
- Meservy, Keith H., c-F, Provo
- Messerly, Ernest Dayle, a-F
.....Glenns Ferry, Ida.
- Messervy, Don C., c-F.....
.....Idaho Falls, Ida.
- Metcalf, Robert Lamar, a-F
.....Springville
- Michaelson, Lydia Vilate, ss
.....Afton, Wyo.
- Mickelsen, Laurine, e-J.....
.....Salt Lake City
- Midgley, Ann, fa-F.....
.....Salt Lake City
- Miera, Alberta Obed, e-So..
.....Taos, N. M.
- Mikkelsen, Duane S., a-S, Provo
- Miksch, Yvonne, ap-Unm
.....Springville
- Mildenhall, Glen T., a-F, Provo
- Miles, Betty Lee, a-F, Mt. Home
- Miles, Douglas Coy, J....
.....Oakley, Ida.
- Millar, Marjorie, a-F.....
.....Boise, Ida.
- Millar, Phyllis, a-So, Boise, Ida.
- Miller, Betty Neva, a-F....
.....Maywood, Calif.
- Miller, Earl Andrew, fa-So..
.....Manti
- Miller, Earl W., a-F.....
.....Springville
- Miller, George Albert, a-S..
.....Claresholm, Alberta, Can.
- Miller, George Lewis Jr., G-
ssProvo
- Miller, Gwendolyn, a-F....
.....Pueblo, Colo
- Miller, James Dale, a-So....
.....Brigham City

Mitchell, Marian, c-Sp, Provo
Mitchell, Robert Dale, a-J..
..... Spanish Fork
Moberly, Helen Lee, e-F..
..... Montrose, Colo.
Moffat, Madison W., a-F..
..... Salt Lake City
Moffitt, John Weldon, a-F-ss
..... Provo
Monk, Wells G., G.... Payson
Monroe, Shirley Mae, c-F..
..... Scipio
Monson, Bernice, e-J.....
..... Pleasant Grove
Monson, Jesse Horace, G....
..... Pleasant Grove
Monson, LaVieve, a-S
..... Pleasant Grove
Montague, Glenn Adwin, fa-
F Nampa, Ida.
Montague, Lois LaVearn, c-
Sp Spanish Fork
Montague, Wallace Dean, c-
So Nampa, Idaho
Moody, Alice Darlene, a-F..
..... Baldwin Park, Calif.
Moody, Dwight, a-F, Hinckley
Moon, Grant C., c-J, Malad, Ida.
Moore, Annie, e-So.....Provo
Moore, Bonnie Jean, c-F....
..... Paca, Idaho
Moore, Clarence Burton, a-
F Provo
Moore, Ezra Hudson, e-S....
..... Rockland, Ida.
Moore, Glen, a-F.....Provo
Moore, Huish, GPayson
Moore, Iris, ap-J-ss, Spanish F.
Moore, Jeweldine, c-So.....
..... Evanston, Wyo.
Moore Kathryn Cole, a-Sp..
..... Provo
Moore, Leonard Daniel, a-F
.....Spanish Fork
Moore, Mary, c-F-ss.....Provo
Moore, Mavis, c-F.....Provo
Moore, Roberta, ap-F-ss, Provo
Moore, Tom Blaine, c-F....
..... Spanish Fork
Moore, Wilburta, a-F.....
..... Nampa, Ida.
Mooring, Wilma Grey, a-F..
..... Fremont, N. C.
Moran, Timothy, ap-J.....
..... Spanish Fork
Morby, Maurine, e-F.....Orem
Morgan, David Edward, c-
F Provo
Morgan, Edna Grace, fa-Sp-
ss Payson

- Morgan, Jack Nelson, a-F... Boston, Mass.
 Morgan, Jayann, a-F... Provo
 Morgan, Marjorie Dove, a-F... Brighton, Colo.
 Morgan, Nila Helen, c-F... Riverton
 Morgan, Stensa S., G... Provo
 Morley, Eloise Stewart, G, Provo
 Morrell, RuBe M., e-So, Bicknell
 Morris, Harper Kay, fa-J... Rigby, Ida.
 Morris, Eugene Waddoups, a-J... Lewisville, Ida.
 Morris, Luther Howell, a-F... Rexburg, Ida.
 Morrison, Betty Jean, ap-F... Downey, Ida.
 Morrison, Mavis, c-F, Monroe
 Morrow, Keith Gale, fa-F, Orem
 Mortensen, Arthur Marion, fa-So... Provo
 Mortensen, Chester Udell, c-J... Duncan, Ariz
 Mortensen, Nona, ap-F... Preston, Ida.
 Mortensen, Verna Cox, e-Sp-ss... American Fork
 Morton, Ermel Joseph, ss, Provo
 Moss, Ruth Wheeler, ss, Hyrum
 Mott, Kenneth C., e-F... LaJara, Colo.
 Moulton, Ada, a-Sp-ss, Delta
 Moulton, Deaun, fa-F... Salt Lake City
 Moulton, Evelyn, fa-F... Salt Lake City
 Moulton, Floyd Chase, a-F... Salt Lake City
 Moulton, Reva Maxine, fa-Sp... Salt Lake City
 Moulton, Rex, a-F... Salt Lake City
 Moulton, Wm. Clyde, a-F... Delta
 Mower, J. F., G... Provo
 Mower, June, a-F... Provo
 Muir, Joyce LaRee, ap-F... Murray
 Muir, Marion E., fa-J... Kearney, N. J.
 Muir, Milton Barlow Jr., a-F... Alpine
 Mullen, Barbara R., a-J... El Paso, Texas
 Munk, Mary Louise, ss, Manti
 Murdock, Capitola Cherrington, G... American Fork
 Murdock, Joseph R., e-So, Provo
 Murdock, Mary Ann, fa-F... Napa, Calif.
 Murphy, Marvel, a-J... Ogden
 Murray, Charles Larry, c-So... Jensen
 Murray, Helen J., a-So... Spokane, Wash.
 Murri, Donald, a-J... St. Anthony, Ida.
 Muse, H. H., c-F, Safford, Ariz.
 Musig, Marjorie, e-F, Monroe
 Myers, Doris Jay, a-F... Las Vegas, Nev.
 Myers, Merlin Gilbert, a-J... Salt Lake City
 Myers, Rulon Westley, c-S... Provo
 Naegle, Helen, c-F... Salt Lake City
 Naegle, Lovinnie, ss... Elfrida, Ariz.
 Nate, Jane, e-So, Cokeville, Wyo.
 Naylor, Marva, fa-Unm, Midvale
 Nebeker, Berva Dawn, c-So... Pocatello, Ida.
 Nebeker, Frances Maurine, ss... Gusher
 Neilson, Royal Kirk, a-F, Provo
 Nelson, Bette Louise, a-So... Wilmington, Del.
 Nelson, Charles Robert, a-F... Lehi
 Nelson, Frank M., a-F... Spanish Fork
 Nelson, Helen, ap-J... LaPlata, New Mex.
 Nelson, Ivan W., G... Provo
 Nelson, Lois Evelyn, fa-F... Provo
 Nelson, Lynn A., c-So, Provo
 Nelson, Marian Elaine, c-F... Spanish Fork
 Nelson Max E., fa-Sp, Payson
 Nelson, Maxfne, e-F... Phoenix, Ariz.
 Nelson, Milton, A. G... Provo
 Nelson, Milton Rencher, a-J... St. George
 Nelson, Naomi, fa-F-ss, Provo
 Nelson, Philip Clair, e-F... Ferron
 Nelson, Rachel, a-So, Chester
 Nelson, Robert A., G... Provo
 Nelson, Robert Deane, a-F... Morgan
 Nelson, Roxey Lou, e-So... Mt. Pleasant
 Nelson, Shirley Faye, a-F... Payson
 Nelson, Willis G., ss... Rexburg, Ida.
 Nerio, Masao, ss, McGehee, Ark.

- Neuteboom, Grant H., a-S... Ogden
 Neves, Mary, fa-F, Pl. Grove
 Neves, Wilford Leslie, a-F
 Pleasant Grove
 Newberry, Marrion Arther, a-
 So Tempe, Ariz.
 Newell, Ernest Charles, a-F
 Orem
 Newell, Mervin Clark, a-S...
 Mona
 Newman, Catherine, a-So....
 Midvale
 Newman, Susan C., a-J, Provo
 Newren, Lothield Young, G
 Provo
 Newton, Sterling Leo, a-F...
 Mona
 Nicholes, Elizabeth Jeanne,
 fa-So Provo
 Nicholes, Olive Maiben, ss...
 Provo
 Nicholes, Tracy Howard, a-
 F American Fork
 Nichols, Dorothy Gail, c-So
 Provo
 Nichols, Lorraine, a-J.....
 New Orleans, La.
 Nichols, Rosalie, ap-Unm...
 Mesa, Ariz.
 Nichols, Wm. C., fa-F.....
 Pocatello, Ida.
 Nicholson, Louise Edith, ap-
 F Salt Lake City
 Nicol, Dixie May, c-F.....
 New Orleans, La.
 Nielsen, Ardella, e-S.....
 Idaho Falls, Ida.
 Nielsen, Clyde Reher a-F, Provo
 Nielsen, Dean C., a-F, Provo
 Nielsen, Donna Ruth, ap-F
 Hyrum
 Nielson, Dorothy, ap-F.....
 Calgary, Alberta, Can.
 Nielson, Edna Claire, e-J....
 Springville
 Nielson, E. K., G..... Provo
 Nielsen, Farren, a-So.... Provo
 Nielsen, Florene, fa-J-ss, Salina
 Nielsen, Glenn Christian, c-
 So Pleasant Grove
 Nielsen, H. Stanley, G... Provo
 Nielsen, Ida., a-F, Rigby, Ida.
 Nielson, Ileene, ss..... Salina
 Nielson, Jay, a-So, Springville
 Nielsen, Joel Frank, e-F, Provo
 Nielson, Joseph A., ap-J....
 Lovell, Wyo.
 Nielsen, Joy Woodruff, e-Sp
 Provo
 Nielsen, J. Ross, c-F.....
 Spanish Fork
 Nielsen, Kenneth Fred, ap-F
 Barnwell, Alberta, Can.
 Nielsen, Leland, fa-Sp-ss, Provo
 Nielsen, Leon D., c-J, Fairview
 Nielson, Russell W., e-J....
 Pleasant Grove
 Nielsen, Ruth Baxter, G....
 Springville
 Nielsen, Sytha Peterson, fa-
 So Provo
 Nielsen, Vernon C., e-F, Provo
 Nielson, Wendell L., G.....
 Springville
 Nilsen, Mark Heiselt, a-F Provo
 Nilsen, Reed E., G..... Provo
 Nilson, Elden L., e-Sp, Provo
 Nixom, Franklin Don, c-F...
 Burley, Idaho
 Nixon, Maurice, a-F.....
 Milwaukee, Wis.
 Norberg, Dorothy Jane, ap-
 So Lehi
 Nordgren, Quentin Richards,
 G Monroe
 Norman, Walter LeRoy, e-F
 Provo
 Norris, Shirley Faye, a-F...
 Green River, Wyo.
 Norton, Isabelle Marguerite,
 ss Provo
 Norton, Maxine Evon, ap-J
 ss Phoenix, Ariz.
 Novak, Daniel James, a-F...
 Provo
 Nuffer, Don L., G, Portland, Ore.
 Nusink, Margaret, a-J, Provo
 Nusink, Raymond Irvine, fa-
 So Provo
 Nutter, Agnes, fa-F.... Provo
 Nutter, John William, e-F...
 Provo
 Nybo, Ardella, fa-F, Spanish F.
 Oak. Cecil R., a-So..... Provo
 Oakley, Claron L., a-F, Provo
 Oaks, Clinton L., c-So, Provo
 Oborn, Constance M., fa-F...
 Salt Lake City
 Obray, Bryce Wm., a-F....
 Cardston, Alberta, Can.
 Ockey, Blanche, ap-So, Nephi
 Ogden, Dorothy, a -So, Richfield
 Ogden, Mae, c-F-ss, Richfield
 Ogden, Sadie, ss..... Richfield
 Ohai, Reuben Miller, G.....
 Kapaa, Kauai, Hawaii
 Ohran, Golda Norlyene, fa-
 So American Fork

- Okey, Lucile, a-F, American F.
 Olcott, Georgean, ss....Sevier
 Oldroyd, Una, e-Sp,Venice
 Oliphant, Clare Howe Jr., e-F..... Silverdale, Wash.
 Oliphant, Doris R., e-J.....
 Campiti, La.
 Oliphant, Gertrude, a-F....
 Silverdale, Wash.
 Oliver, Betty L., e-F.....
 Salt Lake City
 Oliver, Carma Andrasen, ss
 St. Anthony, Ida.
 Oliver, Claud, fa-F.....Orem
 Ollerton, Shirley Ann, c-F
 Mesa, Ariz.
 Olpin, Helen Rae, fa-S.....
 Salt Lake City
 Olpin, Inazelle, c-F, Heber City
 Olpin, Kathryn, ap-So.....
 Pleasant Grove
 Olsen, Adell, fa-F, Lovell, Wyo.
 Olsen, Annis Emelia, ap-Unm
 Beazer, Alberta, Canada
 Olsen, Betty Arlene, a-F....
 Mt. Pleasant
 Olsen, Blanche M., ss....Provo
 Olsen, Carolyn, fa-J.....
 LaCanada, Calif.
 Olsen, Crista, ss....Payson
 Olsen, Donald P., ss....Murray
 Olsen, Elaine, fa-F.....Provo
 Olsen, Erma Elizabeth, c-Sp
 Provo
 Olson, Ernest W., a-F.....
 Lovell, Wyo.
 Olsen, Evelyn, ap-F....Morgan
 Olson, Heber R., a-F....Provo
 Olson, John G., ap-So, Payson
 Olsen, Joseph Elden, c-S-ss..
 LaCanada, Calif.
 Olsen, Joseph Wm. Jr., c-J..
 Springville
 Olsen, LaRee, c-So.. Pleas. Gr.
 Olsen, Lee J., c-J, Springville
 Olson, Lona Faun, fa-So, Provo
 Olsen, Marion J., G-ss..Provo
 Olsen, Matthias Cowley, c-
 So Salt Lake City
 Olsen, Nial June, fa-So-ss..
 Provo
 Olson, Rex A., e-J.....Layton
 Olsen, Roy LaVerl, c-F.....
 Rigby, Ida.
 Olson, Verda, a-S, Salt Lake C.
 Olsen, Virginia, a-F
 Woods Cross
 Openshaw, Nathel Jean, a-So
 Mesa, Ariz.
 Ord, Robert Malcolm, fa-F...
 Baker, Ore.
- Orton, Roma, a-F.....
 Weiser, Ida.
 Orton, Rulon D., e-Sp-ss....
 St. George
 Orwin, Arloa Mae, ap-F....
 Brigham City
 Osborne, Bruce H., a-So, Beaver
 Ostergaard, Mack Robert, a-F
 Pleasant Grove
 Ostler, Alice Rebecca, c-F..
 Tooele
 Ostler, Alma Boyd, a-J.....
 Salt Lake City
 Ostler, Donna Rae, e-F, Orem
 Ostler, Emmett B., ap-So, Provo
 Ottosen, Melba, fa-So....Sandy
 Ovard, Beth, fa-J, American F.
 Overlade, Emma W., ss....
 Pleasant Grove
 Overlade, Lyle W., G
 Pleasant Grove
 Overlade, Maxine, a-So, Provo
 Oveson, Keith E., a-S, Tooele
 Oveson, Melvin J., a-Sp, Provo
 Owens, Marian, a-S.....Provo
 Pabst, Roland Othell, a-F..
 Provo
 Pace, Donna, ss....Cedar City
 Pace, Gene, e-F.....Price
 Pace, Patricia, fa-So....Delta
 Pack, LaWana, e-F....Kamas
 Packard, Arthur H., a-F.....
 Kuna, Ida.
 Packard, Brien Dwight, a-J
 American Fork
 Packard, David Condie, a-So
 American Fork
 Page, Barbara, e-F....Kamas
 Page, Colleen, c-So.....Provo
 Page, Donna B., e-J....Kamas
 Page, Erma Lillian, fa-F....
 Clearfield
 Page, Lennie, fa-So....Parowan
 Painter, Wallace Franklin Jr.
 c-F Provo
 Palfreyman, Raphael Cherring-
 ton, ap-J.....Springville
 Palmër, Shirley Faye, c-J..
 Houston, Texas
 Pardoe, Thomas Earl Jr., a-
 So Provo
 Parduhn, LaPreal, fa-F....
 American Fork
 Paris, Don Keith, a-F.....
 Austin, Texas
 Paris, Marilyn, ap-F.....
 Austin, Texas
 Park, Lou Jean, c-F.....Orem
 Parker, Alice, G, American F.
 Parker, Don T., ap-J.....Roy

- Parker, John Richard, c-F... Ogden
 Parker, Norman L., a-F, Provo
 Parker, Orin D., a-So.....
St. Anthony, Ida.
 Parker, Rayola, fa-So, Sandy
 Parker, Robert Hal, a-F, Joseph
 Parkinson, Genevieve, e-J...
Milford
 Parrish, Joyce Chloe, ap-J...
Ibapah
 Patrick, Wm. Wallace, c-Sp
Springville
 Patten, Deon, a-So.....Orem
 Patten, Edna Downard, ss...
Spring City
 Patten, Herb Terry, a-So, Provo
 Patterson, Ruby Jane, c-Sp
Livona, N. Dak.
 Paul, Janet, fa-J.....Ogden
 Paulitz, Dorothy Mary, a-F...
Provo
 Paulsen, Lloyd Dee, a-S.....
Ephaim
 Paulson, Ford Richard, a-F
Pleasant Grove
 Pawlowski, Reinhold Karl,
 a-SoAmerican Fork
 Paxman, Lucille, c-Sp...Provo
 Paxman, Mary Eloise, c-So...
Nephi
 Pay, Clarence H., ss.....Nephi
 Pay, Helen Elizabeth, a-F...
Salt Lake City
 Payne, Arnold E., a-S Glenwood
 Payne, Dean Wilford, a-So...
Seattle, Wash.
 Payne, Ines Eckersley, a-S...
Payson
 Payne, Joseph Devon, ap-J...
El Paso, Tex.
 Paystrup, Reuben Edwin, a-
 FLevan
 Peacock, Edna Louise, a-F...
South Gate, Calif.
 Peacock, Elaine, e-J.....
Orangeville
 Peacock, Morris W., c-Sp-ss
Orangeville
 Pearce, Anna Rae, fa-F.....
Salt Lake City
 Pearson, Betty, fa-J....Provo
 Pearson, Byrd Nathan, a-Sp
Provo
 Pearson, Harry Pershing...
Moore, Ida.
 Peay, Walter Boyd, fa-So, Provo
 Pedersen, Eva, a-F, Pleasant G.
 Peel, Barbara, ap-So.....
Mt. Pleasant
 Peel, Mary Elizabeth, a-F...
Tarzana, Calif.
 Peel, W. Grant, fa-J.....
Mt. Pleasant
 Pehrson, George Alvin, G...
Springville
 Pehrson, Lester Oliver, c-F...
Provo
 Peirson, Beth, a-F.....Provo
 Peirson, Malcolm A., a-S, Provo
 Pendleton, Carl Junior, fa-F
Evanston, Wyo.
 Pendleton, Elma Jean, a-F
Kemmerer, Wyo
 Penrod, Wm. James, a-F....
American Fork
 Perkins, Anonna, c-F.....
Mesa, Ariz.
 Perkins, Ella Hafen, ss....
Overton, Nev.
 Perkins, Fay Frances White,
 GProvo
 Perkins, Jessie Pierce, ss...
Smithfield
 Perkins, Merial, c-So.....
Overton, Nev.
 Perkins, Waldo Clyde, ss....
Overton, Nev.
 Perry, Ivan, ss.....Vernal
 Perry, Leland M., a-J...Provo
 Perry, Luther B., ap-F, Provo
 Perry, Robert Carl, a-F, Provo
 Perry, Ruth M., ap-So, Provo
 Persson, Wayne Reid, c-So...
Payson
 Peters, Arlene, c-F.....
American Fork
 Peterson, Albert C., c-So....
Mt. Pleasant
 Petersen, A. LeMoyné, Ogden
 Peterson, Anna Jennie, e-J...
Blanding
 Petersen, Barbara Earlene, a-
 UnmProvo
 Peterson, Bobette H., a-J...
Salt Lake City
 Peterson, Carmella Rose, fa-
 SoFillmore
 Peterson, Carole, a-F, Venice
 Petersen, Clay Irwin, ss....
Cleveland
 Peterson, Dale Andrew, ss...
Provo
 Peterson, Don C., fa-F, Provo
 Peterson, Edra Allred, e-Sp
Spring City
 Peterson, Elizabeth, ap-F...
Provo
 Petersen, Elliot Raymond, a-
 FManti

- Petersen, Elva Gae, fa-So.....
 Brigham City
- Peterson, Estella Leone, e-
 SpSanford, Colo.
- Peterson, Geneal, c-F, Boulder
- Peterson, George Dewey Jr.,
 a-F Provo
- Petersen, Herbert Neil, a-F
 Joseph City, Arizona
- Petersen, Janis Marie, fa-So
 Portland, Ore.
- Peterson, Jay, a-F.....Loa
- Peterson, John H., a-J, Provo
- Peterson, John Lawrence, c-
 J Orem
- Peterson, Lenon, fa-F.....
 Fall Brook, Calif.
- Petersen, Lila, fa-F.....
 Van Nuys, Calif.
- Petersen, Lois Ruth, fa-So..
 Venice, Calif.
- Petersen, Lola J., fa-S.....
 Rexburg, Ida.
- Peterson, Lucille Stewart, ss
 Provo
- Peterson, Marion Banks, a-F
 Salt Lake City
- Peterson, Maxine, ap-So....
 Buhl, Ida.
- Petersen, Melvin Joseph, e-
 So Joseph City, Ariz.
- Petersen, Ramona, c-F.....
 Gallup, N. M.
- Peterson, P. Robert, a-So....
 Provo
- Peterson, Robert M., a-J, Ogden
- Petersen, Robert Stanley, e-
 F Venice, Calif.
- Peterson, Rolfe Brown, G.,..
 Ogden
- Peterson, Ruth, a-J.....
 Shelley, Idaho
- Peterson, Ruth Lambert, fa-
 F.....Salt Lake City
- Petersen, Velda, ap-So.....
 Smithfield
- Pettiford, Bonnie Mae, c-F..
 Powell, Wyo
- Petty, Dorothy, ap-F.....
 Swan Lake, Ida.
- Petty, Marilyn, a-F.....Provo
- Petty, Marjorie, c-J.....Provo
- Pfaff, Dona L., ss,
 Salt Lake City
- Phelps, Paul Allen, c-F.....
 Montobello, Calif.
- Phelps, Winnifred Lorraine
 a-F Oakland, Calif.
- Philbrick, Robert Earl, a-F
 Everett, Wash.
- Phillips, Beth, fa-Sp....Provo
- Phillips, Lucille Lee, a-F....
 Brigham City
- Phillips, Mary, e-F.....
 Tetonia, Ida.
- Phillips, Melvin Bill, a-F.....
 Springville
- Phillips, Napina Ruth, a-F..
 American Fork
- Phillips, Stanley C., e-S.....
 Dayton, Ida.
- Pierce, Mary Elizabeth, fa-
 So El Paso, Texas
- Pilling, Audrey, c-F.....
 Cardston, Alberta, Can.
- Pincock, Lorna D., ap-J.....
 Sugar City, Ida.
- Pinegar, David Ralph, c-F..
 Spanish Fork
- Pinegar, Glen Jolley, fa-F..
 Provo
- Pitcher, Marian, fa-F.....
 San Carlos, Calif.
- Plewe, Leah Fern, c-Unm..
 Provo
- Plows, Betty Darlene, e-Sp..
 Provo
- Pope, R. Delvar, a-J....Provo
- Porter, Blaine Milton, ss....
 Morgan
- Porter, Della Mae e-F.....
 Annabella
- Porter, Luana, a-Sp.....Provo
- Porter, Owen Ray, c-F.....
 Escalante
- Potter, Robert Scott, fa-F..
 Stoneham, Mass.
- Poulson, Robert Louis, a-F
 Provo
- Pounds, Milton Alfred, a-S..
 Provo
- Powell, Anna Stone, ap-S...
 Ogden
- Powell, John Wm., c-F.....
 Spanish Fork
- Powell, Keith Darrell, fa-F
 Moab
- Powell, Lynn M., ap-F, Provo
- Powell, Reed Madsen, c-S...
 Provo
- Powell, Verner Max, a-S, Provo
- Powelson, Thomas Bert, ap-
 So Goshen
- Pratt, Anne, a-J, Gardena, Cal.
- Pratt, Mary, ap-J.....Manti
- Pratt, Richard Billeter, a-F
 Salt Lake City
- Preece Doris Fern e-So Vernal
- Preston Merrill R. c-So.....
 American Fork
- Price Jack R. a-F.....
 Pocatello Ida.

- Price John Demay, c-F, Wales
 Price, Mary, a-F.....Vernal
 Friday, Margaret, e-J.....
American Fork
 Prince, Edwin Mulloy, a-F..
Glenwood, Alberta, Can.
 Prince, Lillian Terry, e-Sp-
 ss Orem
 Pringle, George Ernest, c-S..
 Provo
 Prishby, LaVee, e-So....Joseph
 Probert, Oren K., a-F.....
Ruth, Nev.
 Prows, Leo J., fa-F.....Orem
 Prusse, Ralph Ernest, c-Unm
 Provo
 Prusse, Walter Henry, c-J..
 Provo
 Pugh, Kelly, a-So.....Kanab
 Pulham, Kenneth Terry, a-
 F..... Orem
 Pullen, Joan, a-F.....Provo
 Pulsipher, Wm. L., a-J.....
Mesquite Nev.
 Purcell, Albert Ernest, a-s
 Ogden
 Purington, Wealthy, G, Ogden
 Pyne, Clifton Morris a-So Orem
 Pyne, Max T., a-J.....Orem
 Rackley, Walter Ray, a-J..
Salt Lake City
 Raile, Richard Bayles, a-So.
 Provo
 Ram, Houshang, a-F
 Teheran Iran
 Rambeau, Beth, a-S-ss..Provo
 Rambeau, Jean, e-Sp-ss, Provo
 Rambo, Clarence Lyman, fa-
 F Hansen, Ida.
 Randall, Bertha, c-So.....
 Mesa Ariz.
 Randall, Howard Lewis, fa-J
 Ogden
 Randall, Pearl, fa-F, Mesa, Ariz.
 Randall, Ruel Silas, ap-F....
 Joseph City, Ariz.
 Ransom, Vilate, e-J
 Preston, Ida.
 Raphiel, Ouida, a-J, Compti, La.
 Rappleye, Foster D., a-So..
Twin Falls, Ida.
 Rasband, Dorene, fa-F.....
 San Pedro, Calif.
 Rasband, Eliza Janett, e-S..
 Heber City
 Rasband, Heber Garth, c-F..
 Heber City
 Rasband, Mima, G.....Provo
 Rasmussen, Barbara, ss.....
Ft. Duchesne
 Rasmussen, Barbara Jean, a-
 F Pleasant Grove
 Rasmussen, Cama, a-F.....
Preston, Ida.
 Rasmussen, Dolores M., a-Sp
 Provo
 Rasmussen, Glen Mont, ap-F
 Provo
 Rasmussen, Gloria, a-F, Provo
 Rasmussen, Nelda N., ss, Provo
 Rasmussen, Richard Devere,
 a- Provo
 Rasmussen, Velma L., fa-Sp
 Provo
 Ratekin, Vada Lee, fa-Unm
Inglewood, Calif.
 Rawle, Carol Millet, e-So....
 Morgan
 Rawle, May Millet, ss, Morgan
 Rawlings, Geo. Barney, a-J..
 Provo
 Rawlings, Gladys, ap-F....
 Preston, Ida.
 Reading, Lucile Cardon, G..
 Provo
 Ream, Hazel Dawn, ap-F.....
 Dingle, Ida.
 Ream, Marilyn Mae, ap-So..
 Berkeley, Calif.
 Ream, Mary Ida, a-So.....
 Dingle, Idaho
 Ream, Nora Ruth, a-F.....
 Hayward, Calif.
 Reber, Meryl, ss, Higley, Ariz.
 Redd, Ruth, e-S, Salt Lake City
 Reed, Calvin F., ap-F.....
 Lorenzo, Ida.
 Rees, Betty Lou, e-F, Richfield
 Rees, Leslie E., ss Spanish F.
 Rees, Theodore E., ss.....
 Pleasant Grove
 Reese, Eldon L., G, Springville
 Reese, Jean Carolyn, fa-J Provo
 Reese, Rudolph P., G, Provo
 Reeve, Rhea D., e-Sp-ss, Provo
 Reeve, Wayne L., G....Provo
 Reeves, Wm. Elmer, a-F, Provo
 Reid, Arvil S., e-So.....Provo
 Reid, Ida Lucile, a-So....Provo
 Reid, James Earl, c-F, Nephi
 Reid, James Wayne, c-F....
 Farmington
 Reid, Robert Earl Jr., c-J..
Thornton, Ida.
 Reimschuessel, Eileen S., G-ss
 Provo
 Reimschuessel, George C., fa-S
 Provo

- Reimschuessel, Walter Martin,
ap-F American Fork
Reusser, Bob, G.
..... Deer Creek, Okla.
Reusser, Mildred, G-ss, Provo
Reynolds, Annette, e-F, Provo
Reynolds, Clara Myrtle, ss..
..... Castleford, Ida.
Reynolds, Henry Taylor, c-J
..... Springville
Reynolds, LaRae, a-F, Provo
Reynolds, Nanna Lee, fa-So
ss Springville
Reynolds, Norma, fa-J-ss..
..... Hansen, Ida.
Rhoades, Mary Luana, c-F..
..... Vernal
Rhodes, Darrel, fa-Sp.....
..... American Fork
Rhodes, Deaun, c-F.... Provo
Rhodes, Donald Walter, a-So
..... American Fork
Rice, Adeline, a-Unm.....
..... Bell, Calif.
Rice, Ether J., G, Brigham City
Rice, Maxine, a-F, Denver, Col.
Rice, Roydon Nalder, fa-F..
..... Maywood, Calif.
Rice, Val Deane, a-J.....
..... Maywood, Calif.
Rice, Zalia Johnson, a-So.....
..... Los Angeles, Calif.
Rich, Lewis Rawle, G, Morgan
Richan, Raymond B., ss, Provo
Richards, Faye, e-F.....
..... Brigham City
Richards, Franklin Blaine,..
ap-S Oakley
Richards, Lucille, c-J.....
..... American Fork
Richards, Robert Neal, a-F
..... Holbrook, Ariz.
Richardson, Annie, ap-J-ss..
..... Provo
Richardson, Beth, G.... Provo
Richardson, Dean Calvin, a-
F Midvale
Richardson, Waldo Romney,
a-F Provo
Richardson, Walter L., a-F
..... Benjamin
Richardson, Wm. James, fa-
F Provo
Richins, Cyrus Grant, ap-J
..... Burley, Ida.
Richins, Joseph Grant, a-So
..... Springville
Richins, LaDene, e-So.....
..... Burley, Ida.
Richmond, Roxie, ap-Unm..
..... Long Beach, Calif.
- Rickenbach, Virginia, ap-J..
..... Richfield
Ricks, Aretta Newren, ss, Provo
Ricks, Helen E., a-J.... Provo
Ricks, Laure E., a-J.... Provo
Ricks, Wanda Marine, ap-J..
..... Provo
Ricks, Welby Willis, ss, Provo
Ridge, Ralph Wm., a-F Provo
Riding, Robert Hale, a-F, Delta
Rieske, John Samuel, a-F Orem
Rigby, Florence P., G... Provo
Rigby, Jeanne, a-F, Farmington
Rigby, J. Keith, a-So, Fairview
Rigby, Robert G., a-F... Provo
Rigby, Ruth Marie, a-So....
..... Salt Lake City
Ririe, David, ap-J.....
..... Ririe, Ida.
Ririe, Norma Ann, a-F.....
..... Magrath, Alberta, Can.
Robbins, Carl Claude, ss, Logan
Robbins, Joshua Grant, a-F
..... Springville
Roberts, Arthur S., a-S, Provo
Roberts, Benjamin Mark, a-
J Provo
Roberts, Elda O., G.... Provo
Roberts, Jeanne, c-F Pl. Grove
Roberts, LaRae, a-F... Provo
Roberts, Louis Clark, e-F...
..... Vernal
Roberts, Margaret, fa-Sp Provo
Roberts, Virginia Porter, ss
..... Myton
Robertson, Alice Marian, a-
So Provo
Robertson, Maughn T., a-F..
..... Spanish Fork
Robertson, Reece B., c-So...
..... Lovell, Wyo.
Robertson, Roberta Ann, a-
F Long Beach, Calif.
Robins, Norma, c-F, Kaysville
Robinson, Artha Gene, fa-Sp
..... Provo
Robinson, Dorothy, fa-So...
..... Boise, Idaho
Robinson, Helen Louise, ss..
..... Salt Lake City
Robinson, Lorraine, fa-F....
..... American Fork
Robinson, Ruth, ap-Unm ..
..... Beaver
Robison, Arnold Edgar, a-
Sp Provo
Robison, Betty Jo, c-F, Delta
Robison, Clyde Jesse, fa-J-
ss..... Los Angeles, Calif.
Robison, Lois Pearl, ap-J..
..... Baker, Nev.

Robson, Francelle, c-F..... Mesa, Ariz.
Rodriguez, Domingo, M., c-..... Provo
Rogers, Ben Leavitt, ap-F..... Joseph City, Ariz.
Rogers, Marion Roscoe, a-So..... Snowflake, Ariz.
Rogers, Raymond Melvin, e-F..... Salt Lake City
Rogers, Robert Chase, e-S..... Snowflake, Ariz.
Rogers, Wm. Rawson, a-F..... Aspen, Colo.
Rohbock, Louise, fa-F..... Orem
Romney, Antone Kimball, e-S..... Provo
Romney, Carl Grant, c-F, Provo
Romney Cecile, a-S..... Payson
Romney, Douglas, a-S..... Oswego, New York
Romney, Gretta P., a-Sp, Provo
Romney, Letha, fa-J..... Provo
Romney, Marilyn, a-F..... Tulsa, Okla.
Romney, Maurine, a-So, Payson
Romney, Mabel Stevenson, a-F Colonia Juarez, Chih., Mex.
Romney, Myrlene, a-F..... Salt Lake City
Romney, Reed George, a-So F Colonia Juarez, Chih., Mex.
Romney, Shirley, ap-J..... Tulsa, Okla.
Roper, Betty Jane, ap-J..... Oak City
Roper, Margaret Walker, ss..... Oak City
Roper, Morris L., fa-J, Vernal
Roper, Voit J., a-J..... Vernal
Roper, Vena, ap-F..... Provo
Rose, Lucile, c-F..... Montclair, N. J.
Roseberry, Fay, fa-F..... Pima, Arizona
Roskelley, Mary L., ap-S..... LaJolla, Calif.
Ross, Alfred James Jr., ss..... Provo
Ross, John Alton, a-F..... Lethbridge, Alberta, Can.
Ross, Lorna, a-F..... Tridell
Ross, Wm. Ronald, fa-F Ogden
Rothe, Royal Dean, c-J, Lehi
Roundy, Iona, ap-So..... Provo
Roundy, Paul Frost, a-F..... Pleasant Grove
Rowan, Colleen, a-J..... Provo
Rowe, Doris Mae, c-F..... Las Vegas, Nev.
Rowe, Francis E., a-S..... Spanish Fork
Rowe, Lewis Marion, a-S, Provo
Rowley, Beatrice, ap-Unm..... Orem
Rowley, Margaret, a-F Orem
Rowley, Richard Melvin, a-So..... Parowan
Roylance, Alden Eugene, ap-F..... Provo
Roylance, Fred H., c-S..... Springfield
Roylance, Lucille, ss, Smithfield
Roylance, Lucy, fa-Sp..... Springfield
Royle, Howard Glen, a-F, Lehi
Royle, Miriam, fa-F..... Lehi
Ruesch, Elsa F., ss, Springdale
Rushton, Luana Mae, fa-Unm..... Las Vegas, Nev.
Russell, Bessie, fa-F..... Provo
Russell, Edith, a-F..... London, Eng.
Russell, Eugene Hardy, a-F..... Orderville
Russell, Glenn C., G..... Lethbridge, Alberta, Can.
Russell, Gloria, a-Unm, Provo
Russell, Jack Keith, c-J, Provo
Russell, Patricia Sue, fa-F..... St. Louis, Mo.
Russell, Ralph Sherman, a-F Brentwood, Mo.
Rust, Ina, fa-F..... Mt. Home
Ryskamp, Edna Estella, fa-So..... Detroit, Mich.
Rytting, Lorry E., a-Unm..... Tremonton
Sabey, Soren Glen, ap-F..... American Fork
Salisbury, Ann, G..... Provo
Salisbury, Edward Orian, a-S Provo
Salisbury, Joe, c-So, Springfield
Salisbury, John Alden, ap-Sp Provo
Sampson, Carol June, a-F..... Richfield
Samuelson, Beatrice, fa-Sp..... Santaquin
Samuelson, Bernice, fa-Sp ss..... Santaquin
Sandberg, Lucille, G-ss..... Salt Lake City
Sander, June Eleanor, a-F..... Heber City
Sanders, Annie B., a-F..... Gaffney, S. C.
Sanders, Christian Follet, fa-J..... Fairview
Sanders, Ellen Mae, c-Unm..... Mesa, Ariz.
Sanders, Lillian Lorraine, ap-F..... Globe, Ariz.

- Sanderson, Iva Luzon, ss.... Fairview
 Sanderson, Robert D., a-F.... Draper
 Sandstrom, Jeanne, ap-S Orem
 Sanford, Frank Dee, c-S-ss Springville.
 Sanford, Junella, fa-So.... Boise, Ida.
 Sanford, Kay Loru, c-Sp.... Boise, Idaho
 Sanford, Shirley Louise, a-So Washington, D. C.
 Sardoni, Lawrence Whitman, G Provo
 Sargent, Lucille, a-F, Panguitch
 Saunders, Ilene, e-F.... Ogden
 Sawyers, Mary Olive, fa-So Richfield
 Scherer, Marjorie, c-So, Provo
 Schmidt, Herbert W., ss, Ogden
 Schmidt, Velma Jane, c-F.. Portland, Ore.
 Schmutz, LaRue S., fa-So, Provo
 Schnore, Edward Joseph, fa-F.... McKeesport, Pa.
 Schofield, Esther Virginia, - c-Sp Provo
 Schofield, John W., a-F, Provo
 Schofield, Theodore Dently, a-J Provo
 Schow, Russell Stewart, e-J. Lehi
 Schwantes, Glendora, Lois, c-So Douglas, Ariz.
 Schwantes, Gloria Louise, c-So Douglas, Ariz.
 Schwantes, John Wm., a-F.. Douglas, Ariz.
 Schwartz, Connie, a-Unm.... Spanish Fork
 Schwartz, Mary Roylance, fa-Sp-ss Springville
 Schwartz, Ruby, c-J Dayton Ida.
 Scott, Harrison, a-F.... Provo
 Scott, May J., fa-Sp.... Provo
 Scott, Willard E., fa-F.... Salt Lake City
 Scoville, Betty Ellen, a-So.. Rosemeade, Calif.
 Scoville, Estelle, c-F.... Calgary, Alberta, Can.
 Seal, Glenn T., ss.. Springville
 Searle, Charles Reid, c-F.... Spanish Fork
 Seegmiller, Wm. Garth, a-J.. Denver, Colo.
 Seely, Betty Jane, ap-F.... Castle Dale
 Seely, Helen Caroline, e-F.. Mt. Pleasant
 Seely, James Dale, c-J.... Mt. Pleasant
 Sellers, Norma, c-F.... Rexburg Ida.
 Sells, Mary Marcia, fa-J, Nephi
 Selman, Orrin M., ap-F.. Orem
 Sessions, Corilla B., e-F.... Kaysville
 Sessions, Magdaline, ss.. Provo
 Sessions, Sterling David, a-J-ss Provo
 Sevy, Mae, fa-J.... Richfield
 Seymour, Rosemary, a-Unm Taft, Calif.
 Shaffer, Geraldine Tula Sou-tas, ss Provo
 Shakespeare, Erma, fa-Sp.. McGill, Nev.
 Shank, Harvey A., G.... Provo
 Sharp, Luacine Clark, a-F.. Salt Lake City
 Sharp, Nona Marian, a-F.... Independence, Mo.
 Sharp, Stephen, fa-So.... Rigby, Ida.
 Shaw, Frank W., ss.... Lehi
 Shaw, Hazel Irene, ap-F, Orem
 Shaw, Mildred Jane, ap-So.. Nampa, Ida.
 Sheen, Glen LaMae, e-So, Provo
 Sheffield, James L., a-F.... Salt Lake City
 Shelley, Carl T., ap-J.... American Fork
 Shelley, Stephen Paul, a-So American Fork
 Shepherd, Arlene, fa-So.... Mesa, Ariz.
 Shepherd, Dora B., ss.... American Fork
 Shepherd, Lois Helen, ap-J.. Alpine
 Shepherd, E. Lowell, a-J.... Paris, Ida.
 Shepherd, Thomas, a-F.... Pleasant Grove
 Sheranian, Pauline, fa-J.... Beverly Hills, Calif.
 Shields, Leland Grant, fa-J.. Tooele
 Shields, Leona, ss.... Arcadia
 Shifrer, Max Frank, e-J, Helper
 Shippee, Dorothy, fa-So.... Spanish Fork
 Shirley, Hazel, fa-Sp.... Rexburg, Ida.
 Shirts, Maxine Baird, c-S-ss Salt Lake City
 Shirts, Morris Alpine, e-J.... Escalante

- Shuck, Richard, fa-So Salt Lake City
 Shuler, Bernice G., ap-F.... Blountstown, Fla.
 Shumway, Shirley, a-F..... Blanding
 Shurtliff, Jay Haskill, a-F... Salt Lake City
 Shurtliff, Nancy Jane, a-F... Oakland, Calif.
 Shurtz, Betty, c-F... Escalante
 Silvester, Dewain, fa-J..... Rexburg, Ida.
 Simkins, Marjorie Helen, fa-Sp..... Springville
 Simmons, Clara, fa-F..... Cowley, Wyo.
 Simmons, Dean, G Payson
 Simmons, Edith, c-So, Payson
 Simmons, Lionel George, c-F Charleston
 Simmons, Lucile, fa-So.. Manti
 Simmons, Marilyn, e-J, Provo
 Simmons, Norma LaVerne, ap-F Baker, Ore.
 Simmons, Paul A., a-So, Provo
 Simons, Florence, ap-S, Salem
 Simpson, Joseph Cephus, a-F Cradoch, Va.
 Sims, Elmer, c-F..... Lehi
 Sinclair, Marjorie Dean, e-J Montesano, Wash.
 Singleton, Gloria, fa-Sp, Provo
 Singleton, Veloy, fa-J, Provo
 Sirrine, Donna Jeanne, fa-So Phoenix, Ariz.
 Skeem, Norma Francis, a-So Buhl, Ida.
 Skidmore, Renee, a-F, Richmond
 Skinner, David Grant, ap-J Safford, Ariz.
 Skousen, Jerold G., c-F..... Chandler, Ariz.
 Skousen, Peter John, a-So... Chandler, Ariz.
 Skousen, Virginia, a-F..... Buckeye, Ariz.
 Slack, Jean, a-Sp..... Provo
 Slack, Lawrence R., a-F, Provo
 Slack, H. Roy, G-ss..... Provo
 Slade, Norma, a-F, Heber City
 Slater, Arthur Delmar, a-So Provo
 Sloan, Beverlee Glade, fa-F... Portland, Ore.
 Sloan, Pearl Sybil, c-So.... Portland, Ore.
 Smart, Elaine, ss..... Provo
 Smart, Mary, a-J Portland, Ore.
 Smart, Roma Katherine, fa-So Turlock, Calif.
 Smith, Ada, G..... Springville
 Smith, Afton Bryson, e-S... Salt Lake City
 Smith, Allan Blaine, c-F, Provo
 Smith, Barbara McKay, ap-Sp Provo
 Smith, Bessie Atkin, e-S-ss... St. George
 Smith, Betty Jo, fa-F, Provo
 Smith, Carol, c-So, Pl. Grove
 Smith, Connie Jean, ap-So... Preston, Ida.
 Smith, Corinne Cecelia..... Lebanon, Pa.
 Smith, Dona Claire, fa-So... Smithfield
 Smith, Donna Gene, a-J, Provo
 Smith, Donna Jeanne, ap-F Murray
 Smith, Eva Jane, a-F..... Springville
 Smith, Gilbert Glee, ap-F, Provo
 Smith, Hazel Uledean, ap-F Indianapolis, Ind.
 Smith, Herbert W., fa-J, Ogden
 Smith, Howard F., a-F..... Burley, Ida.
 Smith, Idamae, fa-F..... Greybull, Wyo.
 Smith, Joyce Almira, c-F... Palo Alto, Calif.
 Smith, June, fa-So, Bountiful
 Smith, Kenneth A., a-J Provo
 Smith, LeRoy S., a-F..... Snowflake, Ariz.
 Smith, Marceline, a-F, Ogden
 Smith, Mayo W., a-G... Logan
 Smith, Melba, ap-F, Springville
 Smith, Norma Jean, fa-F Ogden
 Smith, Orson, a-Sp... Draper
 Smith, Ramona, fa-F, Richfield
 Smith, Ray Milton, a-J.... Seattle, Wash.
 Smith, R. Dee, ap-F..... Pleasant Grove
 Smith, Ren, e-So, Thornton, Ida.
 Smith, Richard L., c-Sp..... Salt Lake City
 Smith, Ruel C., ss..... Overton, Nev.
 Smith, Shirley, fa-F..... Salt Lake City
 Smith, Tennyson, a-F..... Raymond, Alberta, Can.
 Smith, Thelma Rae, a-F... Oakley, Ida.
 Smith, Virgil Bushman, ap-F Salt Lake City
 Smith, Wayne J., a-F... Payson
 Smith, Willard DeLoy, a-S... Provo
 Smoot, Edward E., c-S, Provo

- Smoot, Max E., ap-F....Provo
 Smoot, Nadine Rose, c-F, Provo
 Smuin, Janice Jean, a-F, Ogden
 Smurthwaite, James Robert,
 fa-FBaker, Ore.
 Snar, A. Glen, e-S....Murray
 Sneddon, Edwin T., c-F, Provo
 Snell, Marie, ap-J
 Westport, Conn.
 Snow, Alma, ap-F....Provo
 Snow, Dean Brimhall, a-So..
 St. George
 Snow, Edward Donald, e-S..
 Provo
 Snow, Juanita, a-F, Castle Dale
 Snow, Karl Anthony, a-J, Provo
 Snow, Pearl, GProvo
 Snow, Perry E., ss.....Ferron
 Snow, Rulon Ellsworth, a-
 S-ssProvo
 Snow, Shipley McGregor, a-
 S-ssProvo
 Snow, Wanda M., G.....Provo
 Snowberger, Helen Rose, a-
 FEugene, Ore.
 Snyder, June Anna, fa-F, Myton
 Sohm, Elaine Vivian, ap-F..
 Burley, Ida.
 Sorenson, Alene, c-F Grace, Ida.
 Sorenson, Dawna L., a-F, Provo
 Sorensen, Donald H., a-F....
 Moroni
 Sorenson, Kimball Joseph, c-
 JProvo
 Sorenson, Lael Ellertson, ss
 Provo
 Sorenson, Ruby J., a-F, Murray
 Sorensen, Thelma, c-J.....
 Mayfield
 Sorensen, Velora Ruth, a-So
 Draper
 Sorensen, Walden Deal, c-F
 Spanish Fork
 Sowards, Ethelyn M., c-J, Provo
 Spafford, Wm. Nelson, e-F..
 Provo
 Sparks, Thelma, ss.....Provo
 Spence, Wm. S., a-S.....
 Rock Springs, Wyo.
 Spencer, Ethel, G.....Provo
 Spencer, Helen Jean, fa-So
 Fillmore
 Spendlove, John Clifton, ap-
 FProvo
 Sperry, Claire Elaine, ap-J
 Provo
 Sperry, Ronald Wayne, a-F
 Mona
 Spicer, Carol, c-J.....
 Rock Springs, Wyo.
 Spicer, Kathleen, ap-F
 Rock Springs, Wyo.
- Spilsbury, Porfirio Duane, a-
 JWasco, Calif.
 Spohn, Juana E., a-J....Orem
 Spratley, Joan, fa-So, Magna
 Springmeyer, Charles H., G
 Provo
 Springmeyer, Rob L., G....
 Springville
 Sprouse, Donald Paul, c-F..
 Roosevelt
 Squire, LaVon Petra, a-So..
 Mt. Pleasant
 Squire, Meade, a-Unm..Manti
 Squire, Phil G., a-So.....
 Mt. Pleasant
 Squire, Spencer, ss....Tridell
 Staheli, Harvey R., G, Provo
 Stalker, Frank Douglas, a-
 SpProvo
 Standified, Ruby Lee, a-F..
 Fruita, Colo.
 Standley, Mary Esther, ap-
 FRichmond, Calif.
 Stanger, Orvilla Virgie, fa-
 SoRichmond, Calif.
 Stanley, Elena Hassell, e-Sp-
 ss.....Mona
 Stapley, Dwight J., c-F....
 Mesa, Ariz.
 Stapley, Helen, c-J.....Provo
 Stapley, Norma P., fa-F.....
 Mesa, Ariz.
 Stapley, Stanley C., e-So, Provo
 Stapp, Roy E., a-F.....Provo
 Starr, Pearl, ss.....Springville
 Startup, Harry Walter, c-F..
 Provo
 Startup, Maurine S., e-Sp..
 Provo
 Stayner, Naomi, c-F.....
 Malad, Ida.
 Stayner, Sara, c-So, Malad, Ida.
 Stebbins, Beth, fa-Sp.....
 Springville
 Steed, Harold Stuart, c-F...
 Centerville
 Steineckert, Dean H., G, Provo
 Steineckert, Mickey, c-Sp....
 Provo
 Steiner, Vinton G., fa-F....
 Springville
 Stenquist, Lee B, c-So.....
 Tremonton
 Stephens, Dorine Richards,
 a-FSpring Canyon
 Stephens, Keith Thomas, c-
 FOgden
 Stephens, Nell C., e-Sp-ss..
 Heber City
 Stephenson, Robert L., a-J..
 Stephenson, Ruth B., ss, Lehi
 Stevens, Helen, c-F....Fillmore

- Stevens, Homer M., ap-F, Provo
 Stevens, Jean, c-F....Blanding
 Stevens, Juliene Vera, ap-So
 Provo
 Stevens, Lucille, a-Unm, Provo
 Stevenson, Arlene, a-F, Layton
 Stevenson, Marilyn Doris, fa-
 J.....Salt Lake City
 Stewart, Dean, ap-F, Benjamin
 Stewart, Don O., a-So.....
Salt Lake City
 Stewart, Ernest Van, a-F...
Salt Lake City
 Stewart, Karl J., a-F.....
Nampa, Ida.
 Stewart, Karma ap-So.....
Spanish Fork
 Stewart, Moyle Duanne, a-F...
American Fork
 Stewart, Wanda Vee, c-F...
 .. Mt. Pleasant
 Stewart, W. Clark, c-J.....
Spanish Fork
 Stimpson, Edith, G....Provo
 Stock, Constance, a-F.....
Fish Haven, Ida.
 Stoddard, Aaron Ray, c-F Provo
 Stoddard, Claire Howell, fa-
 F.....LaGrande, Ore.
 Stoddard, Lawrence Thomas,
 a-F.....Malba, L. I., N. Y.
 Stoddard, Lou, ap-F Colfax, Cal.
 Stokes, Eva, ap-So-ss.....
Twin Falls, Ida.
 Stokes, Orpha, a-F so ss.....
Twin Falls, Ida.
 Stolworthy, Colleen, c-F, Provo
 Stone, Chester, A., G....Salem
 Stone, Dal M., e-J.....Lehi
 Stone, Ivor Lee, a-F....Provo
 Stone, Joles Bagley, a-S, Orem
 Stone, Lola N., ap-F....Provo
 Storrs, Jennie Grant, e-S-ss..
 Provo
 Storrs, Lida Wunderli, a-J..
 Salt Lake iCty
 Stott, LaVola, a-F....Payson
 Stout, Dorothy Mae, e-So, Moab
 Stradling, Glenda M., ap-F..
 Mesa, Ariz.
 Strate, Fred C., G....Provo
 Strate, Ruth Watson, G, Provo
 Strate, Sterling J., c-Sp, Provo
 Stratford, Betty Lucille, c-
 F.....Portland, Ore.
 Stratton, Franklin K., a-So
 Orem
 Stratton, Marvin V., c-J, Orem
 Stratton, Meredith C., ap-So
 Provo
 Stratton, Vern A., a-F, ..Orem
- Straw, Norma Nell, e-So,....
 Springville
 Stringfellow, Esther Bennion,
 ap-F Murray
 Stringham, Alene, e-F.....
 Pasco, Wash.
 Stringham, Iris Caroline, fa-
 F Lovell, Wyo.
 Stringham, Janet, a-So.....
 Pasco, Wash.
 Stringham, Ned Martin, fa-
 F Vernal
 Strong, Doyle M., fa-S..Provo
 Strong, Jack Edison, ap-J..
 Provo
 Strong, Maxine, a-F.....
San Francisco, Calif.
 Stuart, Charles W., Jr., a-So
 Morgan
 Stuart, Darrel Marshal, a-So
 Ogden
 Stubbs, Max Wagstaff, fa-
 Unm Provo
 Stubbs, Nila, fa-J.....Provo
 Stucki, Arnabeth H., fa-So-ss
 Provo
 Stucki, Franklin Stewart, c-
 S-ssProvo
 Stucki, Glenna Mae, a-F, Delta
 Stueler, Elna L., c-S....Provo
 Sturgill, Charles Arthur, a-
 F Provo
 Sturgill, Lois Marie, fa-So..
 Kimberly Ida.
 Stutz, Howard C., G....Provo
 Sudweeks, David E., a-J Provo
 Suhlsen, Wyoma, ap-So.....
Redwood City, Cal.
 Sullivan, Norman Donald, fa-
 UnmNyssa, Ore.
 Summerhays, Benjamin John-
 son, c-So....Los Angeles, Cal.
 Summers, Robert S., fa-So..
 Provo
 Sumsion, Owen Willis, a-F
 Springville
 Sundblom, Charles J., a-F...
 Springville
 Sundwall, Jessie, ss, Fairview
 Sutherland, Melba Fay, a-F..
 Provo
 Sutton, Gwendolyn Elizabeth,
 fa-F Provo
 Sutton, Jacequeline, fa-S...
 Grantsville
 Sutton, Marjorie, fa-So.....
 Grantsville
 Sutton, Thelma D., e-So...
 Grantsville
 Swain, Ida Felice, fa-So....
 Phoenix, Ariz.

- Swain, Leona Lorraine, ap-
So Tucson, Ariz.
Swainston, Rosa Mae, c-J..
..... Preston, Ida.
Swapp, Burns J., a-F.... Kanab
Swapp, Mary, G..... Provo
Swapp, Wylie Wilson, e-J....
..... Overton, Nev.
Swenson, Dawn Etta, e-F Orem
Swenson, Dorothy Marie, c-
F Spanish Fork
Swenson, Glen Ross, a-So..
..... Spanish Fork
Swenson, Knud W., a-So....
..... Pleasant Grove
Swenson, LaRee, ap-J.....
..... Spanish Fork
Swenson, Merla, a-F, Spanish F.
Swenson, Richard Merrill, ap-
S Pleasant Grove
Swenson, Ruth, a-F..... Provo
Sykes, Eli L., e-F..... Provo
Sylvester, Gwen, G-ss.....
..... Hurricane
Tangren, Joy, a-J..... Provo
Tanner, Bruce M., ap-So, Provo
Tanner, Marilyn, a-J... Provo
Tanner, Marlin Arthur, ap-
So Winslow, Ariz.
Tanner, Orea Bean, G... Provo
Tanner, Wilmer W., G, Provo
Tate, Harold Alma, a-J.....
..... Phoenix, Ariz.
Taylor, Afton Lenora, fa-So
..... Provo
Taylor, Barbara Jane, a-F..
..... Provo
Taylor, Betty Mae, a-F.....
..... Mink Creek, Ida.
Taylor, Cherie, a-F, Parowar
Taylor, Curtis Ray, a-F, Provo
Taylor, Cynthia Jones, fa-
Sp-ss Payson
Taylor, Dale H., c-F.... Provo
Taylor, Daniel Pierce, a-So
Colonia Dublan, Chih., Mex.
Taylor, Deanne Parkinson, a-
So Provo
Taylor, Doyle R., ap-F.....
..... Spanish Fork
Taylor, Edwin Isaac, a-So...
..... El Paso, Tex.
Taylor, Eldon R., e-S..... Loa
Taylor, Erma Anderson, G..
..... Provo
Taylor, Eugene Elmer, fa-F
..... Indianapolis, Ind.
Taylor, Fenton Wesley, ss..
..... Thatcher, Ariz.
Taylor, Fern Smoot, ss, Provo
Taylor, Frank B., ap-J, Provo
Taylor, Gordon Lee, G Levan
Taylor, Grant Ross, a-F, Provo
Taylor, Hal Loren, e-F, Provo
Taylor, Ilene, a-F..... Salem
Taylor, Iris, fa-So..... Provo
Taylor, Jack Clifton, a-F....
..... Salt Lake City
Taylor, Jeannie, a-F.... Provo
Taylor, Jennie, ss..... Provo
Taylor, Kent H., ap-F... Provo
Taylor, Leah, c-F..... Provo
Taylor, Lester P., a-S.... Provo
Taylor, Lois, c-F..... Layton
Taylor, Lois Ann, c-F.....
..... Spanish Fork
Taylor, Lucy, a-F..... Salem
Taylor, Marie Hacking, ss..
..... Provo
Taylor, Marion Hollis, a-S..
..... Boise, Idaho
Taylor, Martin D., fa-F, Provo
Taylor, Noel M., a-J.... Provo
Taylor, Normalind, a-F, Provo
Taylor, Patricia, ap-F.....
..... Spanish Fork
Taylor, Reed, a-Unm, Provo
Taylor, Richard M., a-S.....
..... Spanish Fork
Taylor, Robert Wm., c-F Provo
Taylor, Rose M., c-So... Provo
Taylor, Rose Parkinson, fa-S
ss Provo
Taylor, Rulon Ellison, a-S..
..... Provo
Taylor, Verl L., c-S.....
..... El Paso, Tex.
Taylor, W. Vaughn, a-S-ss..
..... Provo
Taylor, Weldon J., G... Provo
Taylor, Winston John, c-F..
..... Springville
Taysom, Lloyd Pendleton, a-
So Afton, Wyo.
Teichert, Laurie, a-S.....
..... Cokeville, Wyo.
Teichert, Robert Henri, G..
..... Cokeville, Wyo.
Tennant, Betty, ap-F.....
..... Salt Lake City
Tennant, Inez, fa-So, Buhl, Ida.
Tennant, Iris, c-So, Buhl, Ida.
Tenney, M. Irene, c-So.....
..... Duncan, Ariz.
Terry, Elma, c-So..... Delta
Terry, Elvis Bird, ss... Orem
Terry, Eva H., fa-Sp-ss, Provo
Terry, Marilyn, c-F.... Lynndyl
Terry, Walter, a-F.... Payson
Teuscher, Marlowe DeMar, G
..... Rexburg, Ida.

- Tew, Deon, ss Nephi
 Tew, Joyce, a-J..... Nephi
 Tew, Milton H, a-J..... Nephi
 Tew, Roy Eldon, a-F Springville
 Thacker, Carma Ann, ap-So
 Charleston
 Thain, June A, a-F.....
 Los Angeles, Calif.
 Thatcher, Albert Powelson,
 aj-J..... Provo
 Thatcher, Clifton L, c-So Provo
 Thatcher, Lee George, a-S..
 Provo
 Theobald, Bonnie Jean, a-F..
 Provo
 Theobald, Grace, e-So.... Delta
 Theobald, Paul S., e-F... Delta
 Thiriot, Joseph E., ss.....
 Las Vegas, Nev.
 Thirkill, Donna Mae, c-J....
 Soda Springs, Ida.
 Thomas, Adeline Helen, fa-
 Sp Provo
 Thomas, Adrian A., ap-S.....
 Richmond
 Thomas, Dan F., G..... Ogden
 Thomas, Daniel W., ap-S.....
 Heber City
 Thomas, Donna Lorraine, a-
 So..... Boise, Ida.
 Thomas, Guy R., c-F.....
 Spanish Fork
 Thomas, James Richard, ap-
 S..... Provo
 Thomas, Jeanne LaMarr, a-
 So..... Salt Lake City
 Thomas, Joan, a-F.... Garfield
 Thomas, June Diana, ss, Provo
 Thomas, Leland Steven, a-F
 Preston, Idaho
 Thomas, M. Paul, c-F.....
 Rapid City, S. D.
 Thomas, Perry B., ap-So Payson
 Thomas, Philip G., e-J.....
 Salt Lake City
 Thomas, Ruth, fa-J.....
 Sugar City, Ida.
 Thomas, Vern R., c-J... Provo
 Thomas, Winifred Janice, fa-
 S..... Manassa, Colo.
 Thompson, Blodwen, e-Sp-ss
 Provo
 Thompson, Ethelyn, e-So,..
 Salt Lake City
 Thompson, Eva Joy, e-J, Provo
 Thompson, Eva Stephenson,
 e-Sp Provo
 Thompson, Frank L., c-F Provo
 Thompson, Gladys C., ss Helper
 Thompson, Lorraine, fa-F...
 Los Angeles, Calif.
- Thompson, Paul Stephenson,
 a-So-ss Provo
 Thompson, Viola, e-J.... Provo
 Thomson, Esther Elayne, fa-
 J Ephraim
 Thomsen, Irene Carol, ap-
 Unm Los Angeles, Calif.
 Thomson, J. Richard, a-F...
 Salt Lake City
 Thoresen, Wm. Adolph, c-F
 Provo
 Thorn, Lois G., ap-F.....
 Springville
 Thorn, Scott Lee, c-F.....
 Springville
 Thorne, Betty Jeanne, c-F..
 American Fork
 Thorne, Chester Lawrence, a-
 F..... Baldwin Park, Calif.
 Thorne, Lucile Markham, ss
 Provo
 Thornley, Golda, e-So, Layton
 Thornton, J. W., G..... Provo
 Thornton, LaVelle R., c-So..
 American Falls, Ida.
 Thorpe, Blair, a-F... Malad, Ida.
 Thorpe, Shirley L., c-F.....
 Springville
 Thorson, Joseph Oscar, a-F
 Provo
 Threet, Conway Black, fa-F
 Lovell, Wyo.
 Threet, Lemmie, a-F.....
 Garland, Wyo
 Thunell, Roland Frederick, a-
 S Provo
 Thurber, Laie, c-So..... Provo
 Thurber, LeiOma, a-F... Provo
 Thurgood, Jack J., c-So, Provo
 Thurman, Glenna May, ss..
 Heber City
 Thyret, Doreen, a-F, Springville
 Tidwell, Bar Dee, a-F.....
 Van Nuys, Calif.
 Tidwell, Clyde D., e-J.... Provo
 Tietjen, Garth Darrell, fa-So
 Kanab
 Tietjen, Melvin E., c-F, Monroe
 Tillotson, Helene Joyce, ap-
 F Ogden
 Timms, Dorothy, G.....
 Los Angeles, Cal.
 Timpson, Maurice H., e-So..
 American Fork
 Tingey, Donna, fa-F.....
 Brigham City
 Tingey, Joseph Willard, c-F
 Salt Lake City
 Tingey, Kenneth L., c-F....
 Salt Lake City
 Tingey, Yvonne, a-F.....
 Brigham City

- Tippetts, Birdean, a-F...Ogden
 Tippetts, Frank M., a-F, Provo
 Tippetts, Gladys, fa-F-ss Provo
 Tippetts, Josie, ap-So.....
 Lovell, Wyo.
 Todd, Elaine, c-J...Mesa, Ariz.
 Toland, Marion Hughes, c-J
 St. John, Kan.
 Tolboe, Harold Rex, a-So, Provo
 Tolboe, Kent C., a-So....Provo
 Tolhurst, Gilbert Charles, G.,
 Ogden
 Tolley, Fred Maurice, c-Sc..
 Provo
 Tolman, Glen Harvey, ap-F
 Rupert, Ida.
 Tolman, Helen Mae, a-F....
 Oakley, Ida.
 Tolman, Vilate, e-F.....
 Oakley, Ida.
 Toolson, Kathleen, ap-F....
 Goshen
 Torney, Helen Mae, a-F....
 Seattle, Wash.
 Townsend, Colleen Lucille,
 fa-F....Los Angeles, Calif.
 Tracy, Jacklin Elmer, ap-
 UnmAmerican Fork
 Tracy, Thelma, fa-Sp.....Provo
 Tree, James Marion, e-F....
 Park City
 Trevino, Narcissa, c-F.....
 Walde, Tex.
 Tripp, Ruth Shirley, c-J..
 Richfield
 Trotter, Edythe, c-F....Provo
 Trujillo, Alfonso Rey, a-So..
 Manassa, Colo.
 Tucker, Connie Adams, e-Sp
 Provo
 Trunkey, Fern, a-So....Provo
 Tucker, G. Webster, ss.....
 Snowflake, Ariz.
 Turley, Norman Hunt, a-Umn
 Woodruff, Ariz.
 Turnbow, Duane, e-F.....
 Salt Lake City
 Turnbow, Lloyd Milton, c-F
 Tabiona
 Turnbow, Wm. E., a-F, Tabiona
 Turner, Ella L., ss, Sunnyside
 Turner, Floy L., ss.....Provo
 Turner, Frank Paul, a-F....
 Grand Junction, Colo.
 Turner, Robert Wm., ss, Provo
 Turner, Rodney, a-F.....
 New York City, N. Y.
 Turner, Roma Jeane, ss, Morgan
 Tuttle, Clarence E., e-F, Provo
 Tuttle, Clarence, G Provo
 Tuttle, Gwen, ss.....Manti
- Tuttle, Katharine, e-F.....
 Springville
 Tuttle, Ray N., c-SProvo
 Twitchell, Robert Mack, a-F
 Provo
 Tyler, Jane Virginia, a-F....
 Riverside, Calif.
 Uchiyama, Aiji A., a-Sp....
 Hunt, Idaho
 Udall, Addison, ap-J.....
 Thatcher, Ariz.
 Ullock, Emma M., a-J.....
 Springville
 Uyeda, George K., G-ss, Provo
 Valentine, Amy Young, a-Sp-
 ss Provo
 Vance, Jane N., e-S.....Provo
 Vance, Richard Grant, fa-F..
 Tucson, Ariz.
 Vance, Serena B., ss....Provo
 Van Leuven, Lyda H., G, Provo
 Van Leuven, Ruth, c-J
 Baker, Ore.
 Van Tassell, Elva, ss, Duchesne
 Van Wagenen, Donald E., c-
 F Provo
 Van Wagenen, Phyllis Bark-
 er, e-Sp-ssProvo
 Van Wagenen, Richard Frank
 a-UnmProvo
 Vernon, Glenn Morley, c-J Orem
 Vernon, June A., a-Unm, Orem
 Vigen, Bernard Russell, a-J-
 ss Provo
 Vigen, Harriet B., e-Sp, Provo
 Viklund, Eric A., c-S.....
 Spanish Fork
 Vincent, E. Jean, e-F
 Spanish Fork
 Vincent, Ronald G., a-F....
 San Francisco, Calif.
 Voorhees, Don Gordon, a-F..
 Manti
 Waddoups, Elaine, a-J.....
 Lewisville, Ida.
 Wadley, Jessie Robertson, ss
 Pleasant Grove
 Wadsworth, James Leo, a-So
 Panaca, Nev.
 Wagstaff, Bert Wm., c-F..
 American Fork
 Wagstaff, Josephine, a-F...
 Kamas
 Wagstaff, LuDeane, fa-So..
 Pleasant Grove
 Wagstaff, Marguerite, ss ..
 Kamas
 Wahlen, Gwen, a-So.....
 San Bernardino, Calif.
 Wainwright, Bernice Pringle,
 ssKemmerer, Wyo.

- Waite, Eva Dean, e-F..... Sunny Dale
 Waite, Willis Dee, fa-J-ss.. San Diego, Calif.
 Wakefield, Emma H., ss, Provo
 Wakefield, Leland Birt, c-J Provo
 Walch, Elwood P., a-F..... Heber City
 Walker, Agnes Vivian, fa-F Tallahassee, Fla.
 Walker, Annalee, ap-F..... Springfield
 Walker, Brady, c-J..... Mesquite, Nev.
 Walker, Carol Rae, fa-F, ... Vernal
 Walker, Elmo L., a-Sp.. Provo
 Walker, Karl Reed, fa-F.... Salt Lake City
 Walker, Keith Russel, fa-So-ss Provo
 Walker, LaRue M., fa-Sp.... Springfield
 Walker, Lee Gordon, a-So.. Pleasant Grove
 Walker, Lynn Rawlins, c-F Springfield
 Walker, Maxine, c-So.... Provo
 Walker, Paul K., G, Springfield
 Walker, Stanley Harvey, c-So Pleasant Grove
 Wall, A. E., G..... Payson
 Wall, Frank Brown, ap-F, Orem
 Wall, Helena, e-J..... Provo
 Wallace, Earl M., a-So, Provo
 Wallace, Glenna Ruth, c-So Farmington
 Walser, Asenath, ap-Unm.. El Paso, Tex.
 Walser, Lucile, c-F..... El Paso, Tex.
 Walsh, Bertie Del, fa-F.... Farmington
 Walsh, Robert H., a-J..... Farmington
 Walston, Henry C., a-F, Provo
 Walter, LaVarre Johnson, a-F Denver, Colo.
 Walton, Jacob Richard, c-F American Fork
 Wamsley, Warnell J., a-F.... Vernal
 Wankier, Maynard C., ap-F Levan
 Ward, LaVoyle Ann, e-So, Provo
 Ward, Rhea Constance, e-S-ss Provo
 Wardle, Byron Rudy, a-F.... Springfield
 Wardle, Clyde C., ap-F..... Blackfoot, Ida.
 Wardle, Donna Phyllis, ap-F Rigby, Ida.
 Wardle, Vernal Dennis, fa-So Pocatello, Idaho
 Warner, Doris, fa-J..... Salt Lake City
 Warner, Helen Lynn, e-F.... Kelso, Calif.
 Warner, Joseph Harold, c-S Fillmore
 Warner, Max, G..... Provo
 Warnick, Merrill Eldredge, a-So Pleasant Grove
 Warnick, Nelda S., c-So.... Pleasant Grove
 Warnick, Stephen Lee, ap-J Pleasant Grove
 Warr, Margie Ruth, a-F.... Oakley, Idaho
 Wasden, Helen Larue, a-So-ss Scipio
 Wasden, Myron Wm., ss, Scipio
 Washburn, L. Berk, fa-F.... Blanding
 Waterlyn, Alonzo Verdon, e-F Provo
 Waterlyn, Dale Richmond, e-F Provo
 Waters, Vivian, ss Provo
 Watkins, Helen, ap-J, Buhl, Ida.
 Watson, Cyral Gordon, a-Sp Rexburg, Ida.
 Watts, Alice Louise, e-S, Orem
 Watts, Ardean Walton, fa-F Idaho Falls, Ida.
 Watts, Gloria, a-F..... Salt Lake City
 Watts, Orvil A., G..... Provo
 Watts, Richard Kent, c-F, Orem
 Watts, Verdon A., c-J.... Orem
 Watts, Yvonne, ap-Unm, Provo
 Wayman, Reid Lee, ap-F, Provo
 Weathers, Peggy Lou, fa-F San Bernardino, Calif.
 Weaver, D. L. Wright, a-F.... Idaho Falls, Ida.
 Weaver, Don Mark, fa-F.... Idaho Falls, Ida.
 Weaver, June, c-So.... Layton
 Webb, Allen Kurt, a-F, Lehi
 Webb, Barbara June, a-Unm LaGrande, Ore.
 Webb, Colleen, fa-F.... Monroe
 Weber, Dorothy Jean, a-So.. Glendale, Calif.
 Webster, Ada Vee, fa-F.... Hood River, Ore.
 Weech, J. Corinne, fa-J, Moab
 Weed, Floyd Barg, a-F.... Salt Lake City
 Weeks, Clyde Everett, a-F.... Orem

- Weeks, Ella Beth, a-F, Vernal
 Weight, Blanche, a-J....Provo
 Weight, Creed Ernest, a-F..
 Springville
 Weight, Eldean B., a-F.....
 Springville
 Weight, Joseph E., e-F-ss...
 Provo
 Weight, K. E., G.....Provo
 Weight, Kenneth Edward, e-
 F..... Provo
 Weight, Marvin Kae, c-So..
 Springville
 Weight, Newell Bryan, G....
 Parowan
 Weight, Phena Brimhall, e-
 Sp Provo
 Welch, Frances M., ss...Provo
 Wellesley, Dorothy Alice, ap-
 SoPortland, Ore.
 Welling, Horace Neil, ss....
 Farmington
 Wells, Lewis F., a-So.....
 Pleasant Grove
 Wells, Marme M., ss....Orem
 Wells, Wilda, e-F.....Orem
 Welsch, Barbara Pauline, fa-
 So-ss....Santa Maria, Calif.
 Welsh, Eleanora Emma, fa-
 FLas Vegas, Nev.
 Welti, Carolyn Margaret, a-
 FSalt Lake City
 Welti, Douglas W., a-J.....
 Salt Lake City
 Wendel, Allen, ss....Bountiful
 Wentz, Helen T., ss.....Provo
 West, Dale H., G....Pl. Grove
 West, Harriett E., c-F.....
 Pleasant Grove
 West, Hazel Nuttall, e-Sp..
 Salt Lake City
 Westenskow, Carol Butt, ap-
 Sp Provo
 Westenskow, Claude Lorrain,
 c-J.....LaGrande, Ore.
 Westenskow, Clifford, G Layton
 Western, Ralph James, c-F..
Pocatello, Ida.
 Weston, Wm. Max, G, Moroni
 Westover, Alta, fa-Sp, Provo
 Westover, Ross Wendell, a-F
 Joseph City, Ariz.
 Whatcott, H. D., G.....Provo
 Whatcott, Mary Jane, c-F..
 Reno, Nev.
 Wheaton, Victor Wayne, a-F
 Spanish Fork
 Wheeler, Helen, fa-Sp.....
 Springville
 Wheeler, Leslie A., e-F.....
 Hannibal, Mo.
 Wheelwright, Carol J., fa-So
Stanford University, Cal.
 Whitaker, Colleen Crandall,
 a-FBurley, Ida.
 Whitaker, John Milton, fa-
 F.....Los Angeles, Calif.
 Whitaker, Max J., ap-F.....
 Brigham City
 Whitaker, Susa P., G....Provo
 Whitby, George LaVerl, a-F
 American Fork
 White, Barbara Claire, ap-F
Salt Lake City
 White, Bob Owen, G....Provo
 White, Bonita Mae, fa-Unm
 American Fork
 White, Idella S., ap-J, Clearfield
 White, Herbert J., fa-Sp.....
Crockett, Calif.
 White, Lois Velay, a-F.....
 Roosevelt
 White, Maxine, a-F
 Wells, Nevada
 Whitehead, Pearl Olpin, ss..
 Pleasant Grove
 Whiteley, Donna Jean, e-F..
 Orem
 Whiteley, Joseph Reed, a-F..
 Oakley, Idaho
 Whitesides, Caroline, ap-So.
 Kaysville
 Whiting, Fred Leon, ap-F..
 Riverside, California
 Whiting, Gary, a-F ..Springville
 Whiting, Irene, ap-F
 Holbrook, Arizona
 Whiting, John E., a-F
 Springville
 Whiting, Joyce, a-So.Mapleton
 Whiting, LaVon, a-So...Provo
 Whiting, Loa, c-Sp.Wallsburg
 Whiting, Mark Clegg, G ...
 Springville
 Whitlock, Lloyd C., G
 Provo
 Whitlock, Rae Lou, e-J.....
 Mayfield
 Whitney, Emily Jean, ap-F..
 Salt Lake City
 Whitney, Jessie, fa-Sp ...
 Springville
 Whitney, Keith Lynn, a-So..
 Springville
 Whitney, Patricia Joy, a-F..
 Parowan
 Whittier, Phyllis, e-Sp-ss...
 Ogden
 Whittle, Gweneth, ap-F
 Rigby, Idaho
 Widdison, Elma, a-F ..Hooper

- Widdison, Elvoy Royal, e-F
 Heber City
 Widdison, Leda Jean, e-J ...
 Hooper
 Widdison, Milton G., c-F....
 Hooper
 Wight, Beth, e-S, Brigham City
 Wight, Kathryn, a-So
 Brigham City
 Wight, Lola, a-F, Brigham City
 Wightman, John Alden, a-F....
 Salt Lake City
 Wilcox Blaine A., c-So ..Ogden
 Wilcox, Cherril Dean E., a-F
 Las Vegas, Nevada
 Wilcox, Keith, a-J
 Thornton, Idaho
 Wilkes, Shirley Ann, e-S
 Eugene, Oregon
 Wilkinson, Elden L., a-F
 Orem
 Wilkinson, Ernest L., a-Sp ..
 Washington, D. C.
 Wilkinson, Marian, ap-F.....
 Washington, D. C.
 Willardson, Robert Kent, ..
 a-F Gunnison
 Willey, Alma Angus, fa-F...
 Payson
 Williams, Afton LaRue, e-F ..
 Oasis
 Williams, Alice Beverly, fa-
 F Denver, Colorado
 Williams, Boyd G., ap-F
 Hanna
 Williams, Buehl LaMar, fa-
 F Phoenix, Arizona
 Williams, Byron Cole, ss ..
 Axson, Georgia
 Williams, Carrol Denon, G....
 Provo
 Williams, David L., c-So-ss..
 Emery
 Williams, Dean E., G ..Ogden
 Williams, Earl Lynn, a-F ..
 Provo
 Williams, Elaine, fa-F
 Spanish Fork
 Williams, Esther Huff, ss....
 Springville
 Williams, Evelyn Jones, G....
 Payson
 Williams, Glenda Lucille, c-
 F Ashton, Idaho
 Williams, Hanna W., fa-So..
 Spanish Fork
 Williams, James Kenneth, e-
 So Kemmerer Wyoming
 Williams, Joan McCall, a-
 Unm El Paso, Texas
 Williams, John Robert, a-J ..
 Salt Lake City
 Williams, Josephine Johnson,
 fa-So Phoenix, Arizona
 Williams, LaMar S., G ..Provo
 Williams, LeOra, a-F ..Provo
 Williams, Marilyn, fa-F
 Richfield
 Williams, Nevin Ray, fa-So..
 Provo
 Williams, Orlando C., a-So..
 Phoenix, Arizona
 Williams, Spencer T., fa-F...
 Kemmerer, Wyoming
 Williams, Venice Irene, e-Sp
 Oakley, Idaho
 Williams, Wayne Deloy, G.
 Ft. Green
 Williamson, Clyde Ernel, ap-
 F Provo
 Williamson, Dollie June, c-F
 Tehachapi, California
 Williamson, Rulon Dean, a-F
 American Fork
 Willis, Marilyn Kay, fa-Unm
 Maywood, California
 Wilmott, Alzada, GProvo
 Wilson, Cecil, e-Sp
 Salt Lake City
 Wilson, Don Byron, a-F
 Ogden
 Wilson, Elmyra, fa-F ..Ogden
 Wilson, Keith L., e-So
 Rupert, Idaho
 Wilson, LeRoy Keith, G.Ogden
 Wilson, Lyndon David, c-So..
 Payson
 Wilson, Margaret Alta, ap-
 So Midway
 Wilson, Margaret, a-J ..Ogden
 Wilson, Mariam Joyce, fa-So
 Centerville
 Wilson, Nancy, ssProvo
 Wilson, Paul, e-J ...LaVerkin
 Wilson, Ray, ap-So-ss ..Provo
 Wilson, Ruth, G .. Springville
 Wilson, Wayne J., a-Unm ..
 Payson
 Wilson, Wells Cleon, a-F...
 Payson
 Wimber, Evan D., fa-J
 Springville
 Winebrenner, Dorothy Jean,
 ap-UnmSouth Bend, In.
 Winegar, Leone, a-So
 Ontario, Oregon
 Winkelman, Claudine, fa-F
 Mt. Pleasant
 Winn, Eden Lorus, ss
 Kenilworth
 Winn, Ronald Celis, c-F ...
 Vernal
 Winslow, George Clifford, c-
 F Lehi
 Winsor, William Kenneth, a-
 F Salt Lake City
 Wintch, Mary, e-STropic

- Winter, Elizabeth Ann, e-J Montpelier, Idaho
 Winters, Que Seely, ap-S Castle Dale
 Winterton, James Ririe, a-So Provo
 Winton, Donald Kennedy, a-Unm. Calgary, Alberta, Can.
 Wiscombe, Howard Owen, a-So Roosevelt
 Wiscombe, Nadine, a-Unm Provo
 Wiscombe, Raymond, G Roosevelt
 Wiseman, Edward Richard, e-F Provo
 Witbeck, Carol, ap-F Roosevelt
 Witney, Frank B., e-J Springville
 Witney, Marion, e-S Springville
 Witt, Jay Ivan, a-Unm Belmont, California
 Wixom, Franklin Don, c-So Burley, Idaho
 Wixom, Zella Marjorie, c-F Burley, Idaho
 Woffinden, Helen Vaneese, a-F Orem
 Woffinden, Myrven L., a-F Spanish Fork
 Wolf, Carmela L., e-Sp-ss Boulder, Colorado
 Wollaston, Irene, ap-F Salt Lake City
 Wonnacott, Charles William, c-F Salt Lake City
 Wood, Don C., a-J, Farmington
 Wood, Elaine, a-J Fillmore
 Wood, Golden McKay, a-F Burley, Idaho
 Wood, LaRue, fa-F Farmington
 Wood, Lowene, fa-F Buhl, Idaho
 Wood, Margaret Hannah, fa-F Ashton, Idaho
 Wood, Mark Daniel, c-F Burley, Idaho
 Wood, Marva Marie Abbott, ss Boise, Idaho
 Wood, Norma, fa-Sp-ss Provo
 Wood, Norma Jean, a-F Clearfield
 Woodward, Douglas Dutro, a-F Westfield, Illinois
 Woodbury, Grant Bennett, a-F Hinckley
 Woodbury, Sylvia Dole, fa-So Inglewood, Calif.
 Woodbury, Virginia, e-S St. George
 Woodger, E. Winston, ss Magrath, Alberta, Can.
 Woodger, Wilson Clarke, a-F Provo
 Woodland, Melvin Carlson, c-J Provo
 Woodland, Vera Bagley, ss Provo
 Woods, Carlos Wesley, fa-F Provo
 Woolf, Anthony DeVoe, G. Provo
 Woolf, Wilbur Coombs, a-S Provo
 Woolley, Dorothy Dee, c-F Sunnyside
 Woolley, Evan K., fa-F Vernal
 Woolley, Fay, a-So Huntington Park, Calif.
 Woolston, Paul S., fa-F Provo
 Worthen, Howard George, a-So Provo
 Worthington, Helen L., ap-J Provo
 Wride, Bert Elwyin, a-F American Fork
 Wright, Albert Herschel, e-So Malad, Idaho
 Wright, Dean H., c-F Provo
 Wright, Ethel D'On Empey, fa-So Price
 Wright, Ivan Dee, fa-F Hinckley
 Wright, June, fa-So Provo
 Wright, Kenneth Dean, c-J Pleasant Grove
 Wright, Leroy Patten, a-F Oakland, California
 Wright, Lynne A., G. Provo
 Wright, Niles Crane, a-So Provo
 Wright, Richard Dorius, a-So Salt Lake City
 Wright, Robert Ralph, fa-So-ss Murray
 Wycherly, Gaylen L., e-Sp-ss Columbia
 Yamashita, Matauye Mitzi, ss Overton, Nevada
 Yarn, David H., a-S-ss Atlanta, Georgia
 Yates, Eva Rae, e-F Ely, Nevada
 York, Eleanor, fa-Sp Provo
 Young, Byron Dee, c-So Sparks, Nevada
 Young, Calvin Woolley, a-F Huntington Park, Calif.
 Young, Doren Curtis, a-So Provo

Young, Edith Grant, ss ...	Zabriskie, Beth, c-F	Provo
..... American Fork	Zabriskie, JoAnne, e-F..	Provo
Young, Harriet Jane, e-So..	Zabriskie, Walter Edward, a-	
..... Bountiful	F	Provo
Young, Howard T., fa-So...	Zeeman, Aliene, ap-F..	Payson
..... Pocatello, Idaho	Zeeman, Maxine, ap-F..	Payson
Young, Ivan, G	Zenger, Jerry Hancock, a-So	
Young, James Ira, e-J .....	.....	Provo
..... Provo	Zieve, Betty, fa-S	Kamas
Young, Jean, a-So ..	Zimmerman, Cecil James, a-J	
Young, Kay A., c-J .....	.....	Lehi
..... Idaho Falls, Idaho	Zimmerman, Margaret Merle,	
Young, Kenneth Harold, fa-	fa-So ..	Chambersburg, Penn.
F	Zirker, Bonnie Mae, ap-F...	
..... Mt. Pleasant	.....	Arcadia
Young, Lorraine, ss	Zobell, Claude Edward, a-F	
..... LaVita, Colorado	.....	Provo
Young, Margaret Lee, e-J..	Zwahlen, Marva Joy, e-J ..	
..... Charlotte, North Carolina	Ferron
Young, Miriam, fa-S-ss		
..... American Fork		
Young, Sherril, a-Unm ..		Provo

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Graduates	229
Seniors	241
Juniors	466
Sophomores	623
Freshmen	1,528
Unmatriculated	119
Specials	240

 3,446

Summer School 1945:

Graduates	99
Other University Students	450

 549

Correspondence & Extension	850
Secondary Training School	307
Elementary Training School	276

 5,428

Less duplications	452
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Number Receiving Institutional Credit	4,976
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